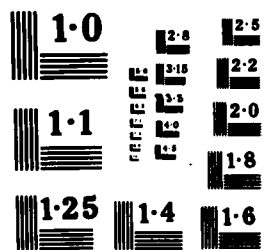


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SONDRESTROM AB GREENLAND REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSER. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. JUL 84
USAFETAC/DS 84/021 SBI AD-E850 745 E/G 4/2

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23 JUL 1984

REVISED UNITED STATES SUMMARY OF
SURFACE WEATHER OBSERVATIONS

SONDRSTROM CL MSC #042310
N 67 01 W 050 43 ELEV 165 FT BGSP

PARTS A-F HOURS SUMMARIZED: 0000Z - 2300Z

PERIOD OF RECORD:

HOURLY OBSERVATIONS: JUN 74 - MAY 83
SUMMARY OF DAY DATA: JAN 43 - JAN 46, JUN 46 - SEP 50,
JUN 51 - MAR 73

TIME CONVERSION GMT TO LST: -3

09 JUL 1984

FEDERAL BUILDING
ASHEVILLE, N. C.

DTIC
ELECTE
OCT 29 1984

DISTRIBUTION STATEMENT A
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REVIEW AND APPROVAL STATEMENT

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Wayne E. McCollom

WAYNE E. MCCOLLOM
Chief, Document Reference Section
USAFETAC/LDX

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1. REPORT NUMBER USAFETAC/DS-84/021	2. GOVT ACCESSION NO. AD-A146919	3. RECIPIENT'S CATALOG NUMBER															
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- SONDRESTROM AB, GREENLAND.		5. TYPE OF REPORT & PERIOD COVERED Final rept.															
7. AUTHOR(s)		6. PERFORMING ORG. REPORT NUMBER															
9. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		8. CONTRACT OR GRANT NUMBER(s)															
11. CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS															
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		15. SECURITY CLASS. (of this report) UNCLASSIFIED															
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE															
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperature</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperature	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative humidity	*Climatological data	(over)
*RUSSWO	Daily temperature	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) <p>This report is a six-part statistical summary of surface weather observations for SONDRESTROM AB, GREENLAND.</p> <p>It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)</p>																	

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1 JAN 75 1473

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SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

19. Percentge frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

* SONDRESTROM AB

* GREENLAND

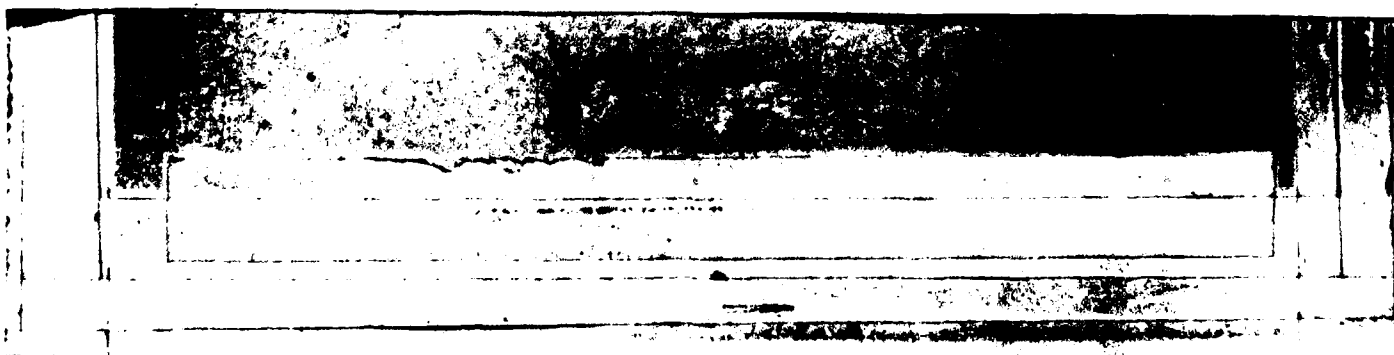
20. and dew-point temperatures and relative humidity); and (F) Pressure
Summary (means, standard, deviations, and observation counts of
station pressure and sea-level pressure). Data in this report are
presented in tabular form, in most cases in percentage frequency of
occurrence or cumulative percentage frequency of occurrence tables.

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The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

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Caution must be exercised when using these climatic data. This RUSSWO was prepared by using non-coincident periods of record of the daily and hourly observations.

The USAF relinquished control of Sondrestrom AB, GL in Mar 73. The observation function became the responsibility of the Danish Government at this time. The hourly data (those data after Mar 73) lack the quality assurance of comparing the original records with those data received through the automated means.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER DATA NOT AVAILABLE

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

MEAN & STD DEV
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE DATA NOT AVAILABLE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0300, 0300-0600, 0600-0900, 0900-1200, 1200-1500, 1500-1800, 1800-2100, 2100-2400 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____

APRIL _____

JULY _____

OCTOBER _____

FEBRUARY _____

MAY _____

AUGUST _____

NOVEMBER _____

MARCH _____

JUNE _____

SEPTEMBER _____

DECEMBER _____

STATION NUMBER	STATION NAME	LATITUDE		LONGITUDE	FIELD ELEV (FT)	CALL SIGN	WMO NUMBER		
042310	Sondrestrom AB Greenland	N 67 01		W 050 43	165	BGSF	04231		
STATION LOCATION AND INSTRUMENTATION HISTORY									
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE NSL		OBS PER DAY
			FROM	TO			FIELD (FT)	MT. BARO.	
1	AAF Weather Station/Sondrestrom/Blue West 8	AAF	Nov 41	Jun 42	N 66 58	W 050 55	155 ft	190 ft	N/A
2	Same	AAF	Jun 42	Jun 43	Same	Same	155 ft	Same	24
3	Same	AAF	Jul 43	Mar 44	N 66 54	Same	155 ft	Same	24
4	Same	AAF	Apr 44	May 48	N 67 00	W 050 48	165 ft	Same	13 - 24
5	Sondrestrom AB Greenland	AB	Jun 48	Jun 50	N 67 00	W 050 48	165 ft	Same	8 - 24
6	Same	AB	Jul 51	Jul 67	N 67 01	W 050 48	165 ft	165	24
7	Same	AB	Aug 67	Mar 73	N 67 01	W 050 48	165 ft	165	24
*8	Sondrestrom Greenland	AB	Apr 73	Sep 83	N 67 01	W 050 43	165 ft	Unkn	varies
*After Mar 73 USAF ceased observing at this site and operations assumed by Danish Government personnel.									
NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE			
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND				
1	Dec 41 to Jan 42	Located on the weather station	American	None	167 ft				
2	May 43	No Change	No Change	None	18 ft				
3	Jun 45 to May 48	Located on operations building	No Change	None	24 ft				
4	Jun 48 to Apr 49	No Change	No Change	None	38 ft				
5	May 49 to Mar 53	Not available	N/A	N/A	N/A				

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
6	Apr 53	Located on roof of weather station Building T-294	AN/GMQ-1	(WindPanel) ML-204-B	30 ft	
7	Apr 54	No Change	No Chge	No Chge	25 ft	
8	Mar 56	Located W of Base Operations between rwy and taxiway	AN/GMQ-1	RO-2	13 ft	
9	Apr 58	Located on a true bearing of 320° at a distance of 850 ft from the wea- ther station and 500 ft from center line of the rwy at approx midpoint	No Chge	No Chge	N/A	
10	Apr 61	No Change	No Chge	No Chge	N/A	
11	Apr 62	No Change	No Chge	No Chge	N/A	
12	Nov 62	Located 1500 ft from the end of and 600 ft from the centerline of rwy 11	No Chge	No Chge	40 ft	
13	Apr 64	No Change	No Chge	No Chge	45 ft	
14	Nov 66	No Change	No Chge	No Chge	No Chge	
15	Mar 73	No Change	No Chge	No Chge	No Chge	
16	Sep 83	Unknown	Unknown	Unknown	Unknown	

00-0073

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
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A

(PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

(Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations in which one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage in the columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not equal the total observations with reduced visibility.

PAI CLIMATOLOGY BRANCH
AFETAC
AIRMAIL SERVICE/AC

WEATHER CONDITIONS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE PROPORTION OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	1-24		.		.41		17.6	.				.	77
	25-31				.2		11.3						77
	FEB-28			.	.5		14.7			.		.	77
	29-2		.		.7		15.3			.	.	.	747
	3-5		.		.41		14.7	.7	737
	6-12				.4		14.7	.2		.	.	.	777
	13-17		.		.7		15.3			.	.	.4	757
	18-23		.		.31		16.6			.		.	747
TOTALS			.	.	14.7		15.1	.	.	.7	.	.4	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

WEATHER CONDITIONS

STATION
STATION

SONBRESTROM GL
STATION NAME

75-87
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	0-23				15.3		15.3	.4	.1			.6	687
	3-25		.1		16.4		16.5	.9		.1		1.0	672
	26-28				14.6		14.6	.7	.1	.1		1.0	671
	29-31				15.2		15.2	.6				.6	677
	1-14				15.3		15.3	.6				.6	672
	15-17				15.2		15.2	1.0				1.0	670
	18-20				15.5		15.5	.3				.7	666
	21-23		.1		16.0		16.0	.4				.4	673
TOTALS			.7		15.4		15.5	.6	.0	.0		.7	5383

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

WEATHER CONDITIONS

142717 STATION SONDRESTROM GL 75-87 YEARS MAP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAP	00-02		.3		16.8		17.1			.3		.3	727
	03-05				17.7		17.7			.6		.6	716
	06-08			.3	15.7		16.0						725
	09-11		.1	.4	16.2		16.8						728
	12-14		.1	.3	14.5		14.9				.1	.1	739
	15-17				12.3		12.3	.1				.1	729
	18-20		.4		13.5		14.0				.1	.1	716
	21-23		.3	.1	19.5		19.9			.4		.4	727
TOTALS			.2	.1	15.8		16.1	.0		.2	.0	.2	5807

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

042717
STATION

SONDRESTROM GL
STATION NAME

75-83
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02		3.4		13.5		15.4		.3		.1	.4	710
	03-05		2.8		15.5		17.2		1.0		.1	1.1	715
	06-08		3.4		16.1		18.2		.6		.1	.7	715
	09-11		1.4		12.9		14.0				.4	.4	713
	12-14		3.7		8.1		11.2				.3	.3	703
	15-17		3.0		7.1	.1	9.7				.3	.3	694
	18-20		3.1		8.2		10.7				.6	.6	719
	21-23		3.9		11.6		14.1				.3	.3	714
TOTALS			3.1		11.6	.0	13.8		.2		.3	.5	5683

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

42310 SONDRESTROM GL 74-87 JUN
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02		12.0		2.6		13.1	.1	.4			.6	723
	03-05		11.1		2.9		13.6		.1		.1	.3	727
	06-08		10.0		2.8		11.9	.4				.4	722
	09-11		8.9		2.0		10.3						707
	12-14		10.0		1.1	.1	11.1				.1	.1	719
	15-17		12.1		.9	.1	12.8				.7	.7	696
	18-20		13.7		1.4		14.7						716
	21-23		14.3		2.1		16.0	.3				.3	714
TOTALS			11.5		2.0	.0	12.9	.1	.1		.1	.3	5724

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

042310
STATION

SONDRESTROM GL
STATION NAME

74-82

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02		12.0				12.0	.1				.1	744
	03-05		12.0		.3		12.0	.3				.3	722
	06-08		13.2		.1		13.2	.1			.3	.4	751
	09-11		11.9				11.9	.1				.1	731
	12-14		10.5				10.5						760
	15-17		11.2				11.2				.4	.4	735
	18-20		11.1		.1		11.1				.1	.1	736
	21-23		11.7				11.7	.1			.1	.3	750
TOTALS			11.7		.1		11.7	.1			.1	.2	5929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

042310 STATION SONDRESTROM GL 74-87 YEARS AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02		9.7		.4		10.1						752
	03-05		11.7		.7		12.1	.1				.1	759
	06-08		11.5		.8		12.1						749
	09-11		11.6		.7		11.9	.1				.1	733
	12-14		9.7		.3		9.7		.1		.4	.5	749
	15-17		12.1		.1	.1	12.1				.8	.8	733
	18-20		12.2		.4		12.2		.4		.4	.8	754
	21-23		12.8		.4		12.8						747
TOTALS			11.4		.5	.0	11.6	.0	.1		.2	.3	5772

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

4211
STATION

SONDRESTROM GL
STATION NAME

74-87
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-01		7.8		7.1		13.4		.7			.7	717
	03-05		7.7		7.6		13.9		1.2		.1	1.4	728
	06-08		8.1		7.0		13.4	.7	1.2		.1	2.0	732
	09-11		7.3		6.7		13.3	1.0	1.0			2.0	714
	12-14		6.8		6.6		12.4	.4	.3		.3	1.0	716
	15-17		8.1		5.5		11.9	.3				.3	708
	18-20		9.9		6.2		14.3						727
	21-23		10.2		7.4		15.6		.8		.1	1.0	725
TOTALS			8.2		6.8		13.5	.3	.7		.1	1.1	5767

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

42717
STATION

SONDRESTROM GL
STATION NAME

74-87
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-23		.9		16.8		17.5	.1	.8		.5	1.5	742
	3-05		1.1		17.6		18.7		.8		.5	1.4	738
	06-08		1.5		17.5		19.0	.5	1.2		.7	2.4	748
	09-11		1.3	.1	18.5		19.5	.5	1.1		.5	2.2	742
	12-14		1.2		17.5	.1	18.4	.3	.8		.1	1.2	748
	15-17		.8	.1	17.2		17.9	.1	.5		.8	1.5	738
	18-20	.1	1.1		16.2		16.6		1.2		.1	1.4	747
	21-23		1.2		16.6		17.0		1.0		.5	1.5	731
TOTALS		.0	1.1	.0	17.2	.0	18.1	.2	.9		.5	1.6	5927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFS WEATHER SERVICE/MAC

WEATHER CONDITIONS

12710 STATION 60NDRESTROM GL 74-82 YEARS NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02		.1		19.5		19.5	.4		.1	.3	.8	729
	03-05		.3	.1	19.3		19.4						725
	06-08	.1		.4	19.2		19.6	.1				.1	713
	09-11		.1		17.9		17.9						726
	12-14		.6	.6	16.0		16.7				.4	.4	719
	15-17		.4		15.9		16.1				.4	.4	711
	18-20		.4		17.4		17.8	.3			.1	.4	718
	21-23		.6		18.8		19.4	.1	.3	.1		.6	723
TOTALS		.0	.3	.1	18.0		18.3	.1	.0	.0	.2	.3	5764

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

WEATHER CONDITIONS

342310 SONORESTROM GL 74-87 YEARS DEC
STATION STATION NAME MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	10-02		.3		14.1		14.2	.3	.1	.5	1.3	2.3	747
	03-05				13.3		13.3			.1	.8	.9	746
	5-18				14.5		14.5			.1	.7	.8	725
	19-11		.1		13.1		13.1	.1	.4	.1	.1	.8	750
	12-14		.1		13.0		13.2	.7	.4	.1	1.2	2.4	737
	15-17				13.5		13.5	.8	.1		.7	1.6	735
	18-2				13.2		13.2	.3		.3	.5	1.1	743
	21-23		.3		13.0		13.1	.4		.3	.5	1.2	753
TOTALS			.1		13.5		13.5	.3	.1	.2	.7	1.4	5936

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

XX WEATHER CONDITIONS
XXXXXXXXXXXXXXXXXXXXXXXXXXXX
ATMOSPHERIC PHENOMENA

4271 STATION SONDRESTPOM GL STATION NAME 46-77 YEARS ALL MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	DAILY		2.5	1.4	42.9		43.8	7.2	54.5	55.8		58.8	876
FEB			1.4	.1	47.4		41.0	7.7	52.2	55.7		57.8	763
MAR			1.1	.1	43.3		43.4	7.4	54.6	56.1		59.3	826
APR			3.5	.1	41.7		42.7	7.3	57.3	57.1		59.9	751
MAY			19.9	.1	28.4		38.8	11.4	56.9	56.7		61.4	775
JUN		.1	43.2		7.9	.1	38.2	4.7	55.7	55.5		57.8	809
JUL		.2	49.5		.6		42.2	9.2	52.0	51.9		57.2	837
AUG			41.4		2.5	.1	35.6	6.6	51.9	51.9		54.8	837
SEP			36.1	.2	75.6		46.5	9.9	52.5	51.9		57.2	809
OCT			11.7	1.4	46.3		51.2	14.1	51.1	50.5		55.7	874
NOV			5.8	.5	45.7		48.0	8.0	52.0	53.7		56.7	750
DEC			1.5	.2	46.4		46.8	6.1	50.6	52.0		54.8	876
TOTALS		.0	18.1	.3	71.0	.0	43.2	8.3	53.4	54.0		57.5	9552

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

01271 SONDERSTROM GL 74-87 44-87
STATION STATION NAME YEARS ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	ALL		.7	.7	14.9		15.1	.1	.0	.2	.1	.4	5040
FEB			.		15.4		15.5	.6	.	.7		.7	5383
MAR			.0	.1	15.8		16.1	.7		.2	.7	.2	5917
APR		.0	1.3	.7	14.9		17.0	.2	.7	.1	.3	.6	5766
MAY			3.1		11.6	.7	13.8		.2		.3	.5	5683
JUN			11.5		2.0	.4	12.9	.1	.1		.1	.3	5724
JUL			11.7		.1		11.7	.1			.1	.2	5029
AUG			11.4		.5	.7	11.6	.7	.1		.2	.3	5972
SEP			8.2		6.9		13.5	.3	.7		.1	1.1	5767
OCT		.0	1.1	.0	17.2	.0	18.1	.2	.9		.5	1.6	5927
NOV		.0	.3	.1	18.0		16.3	.1	.0	.0	.2	.3	5764
DEC			.1		13.5		13.5	.3	.1	.2	.7	1.4	5936
TOTALS		.0	4.1	.0	10.9	.0	14.7	.2	.2	.1	.2	.6	69598

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

002710 SONPRESTROM CL 15-87 4P
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
APR	10-00		1.0		18.1		19.1	.3			.6	.9	718
	07-09		.3	.1	16.0		19.0	.4	.1	.7	.1	1.0	723
	04-06		1.0		18.4		19.4	.3			.6	.9	716
	01-11		1.3		14.9		15.7	.3			.4	.7	719
	10-14		1.2		11.3		12.6	.4			.7	.7	724
	15-17	.1	1.4		11.0		12.2			.7	.4	.7	724
	18-2		1.4		12.6		13.4				.0	.4	722
	21-23		2.2		15.7		16.7				.1	.1	727
TOTALS		.0	1.3	.0	14.9		16.0	.2	.2	.1	.3	.6	5764

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

I PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

- B**
1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
 2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

C Continued on Reverse Side

Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 57	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

042710 SONDRESTROM GL

43-73

STATION

STATION NAME

YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	54.7	23.0	6.2	9.4	3.3	2.6	.5	.2						22.3	930	.40	1.68	TRACE
FEB	55.9	25.7	5.6	7.5	2.3	2.5	.2	.4						18.4	841	.32	1.77	.00
MAR	54.8	26.5	5.0	8.6	2.4	2.0	.6	.1						18.7	899	.34	1.59	.05
APR	55.6	30.0	3.7	5.4	3.7	1.3	.2		.1					14.4	840	.27	1.65	TRACE
MAY	54.6	29.6	3.8	5.3	3.5	3.0	.1	.1						15.8	868	.34	1.28	TRACE
JUN	56.9	22.6	2.5	7.8	3.5	5.1	1.2	.4						20.4	857	.61	1.69	.02
JUL	49.6	22.5	2.8	9.7	5.8	7.4	1.7	.5						28.0	930	.93	2.70	.23
AUG	58.6	19.2	3.7	7.5	3.9	5.1	2.2	.5						22.2	930	.79	2.45	TRACE
SEP	47.9	24.7	4.2	9.6	4.7	6.9	1.3	.8						27.4	900	.81	2.02	.07
OCT	45.8	26.9	4.8	10.2	5.0	5.3	1.4	.4						27.3	898	.78	1.79	.02
NOV	48.9	26.9	5.1	9.5	4.4	4.0	1.0	.1						24.2	840	.55	1.31	.05
DEC	51.6	26.7	4.1	9.4	4.6	2.8	.7	.2						21.7	898	.40	1.96	TRACE
ANNUAL	52.9	25.4	4.2	8.3	3.9	4.0	.9	.3	.7					21.7	10631	6.54		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

042710 SONDRESTROM GL
STATION STATION NAME

43-73 YEARS

24 HOUR AMOUNTS IN INCHES

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
43		.11	.12	.18	.13	.01	.24	.17	TRACE	.04	.14	.16	.12	.24
44		.16	.08	.02	.11	.15	.15	.24	.13	.13	.18	.16	.18	.46
45		TRACE	.08	.13	.27	.29	.12	.47	.27	.27	.18	.06	.09	.40
46		.11*	1.00				.11	.28	.22	.27	.09	.02	.08	
47		.15	.00	.03	TRACE	.10	.20	.11	.14	.70	1.00	.10	.30	1.00
48		.12	.05	.04	.06	.18*	.05	.41	.42	.15	.24		.14	
49		.07	.06	.20	.09	.01	.04	.21	.55	.51	.15	.19	.12	.59
50		.08	.12	.05	.10	.20	.07	.61	.47	.07				
51							.12	.31	.28	.17	.29	.20	.12	
52		.01	.01	.06	.01	.24	.19	.32	.06	.63	.18	.27	.13	.63
53		.71	.08	.07	.16	.13	.40	.21	.32	.27	.10	.69	.10	.73
54		.08	.23	.11	.26	.22	.63	.42	.25	.26	.17	.25	.08	.63
55		.05	.02	.46	.01	TRACE	.33	.22	.31	.34	.18	.14	.13	.46
56		.21	TRACE	.16	.16	TRACE	.09	.34	.50	.17	.14	.03	.09	.50
57		.17	.03	.04	1.31	.19	.12	.14	.05	.09	.28	.10	.11	1.31
58		.06	.15	.06	.05	.14	.51	.14	.11	.08	.41	.21	.04	.51
59		.01	.18	.12	.04	.18	.25	.23	.63	.27	.48	.27	.08	.63
60		.51	.04	.11	.14	.13	.24	.14	.21	.08	.55	.18	.10	.55
61		.11	.15	.11	.13	.67	.11	.34	.63	.23	.74	.15	TRACE	.74
62		.15	.16	.05	.06	.18	.19	.14	.44	.36	.26	.20	.05	.44
63		.16	.26	.19	TRACE	.22	.22	.24	.64	.20	.39	.09	.03	.64
64		.16	.40	.48	.20	.27	.35	.77	.13	.27	.32	.15	.53	.77
65		.51	.24	.04	.24	.02*	.24	.14	.24	.17	.23	.18	.30	.51
66		.14	.09	.04	.08	.01	.07	.56	TRACE	.12	.22	.24*	.80	.80
67		.22*	.18	.22	.10	.12	.28	.25	.09	.64	.31	.28	.13	.64
68		.48	1.00	.55	.07	.03	.19	.53	.32	.27	.12	.23	.21	1.00
69		.15	.07	.19	.13	.07	.63	.38	.39	.53	.54	.41	.17	.63
70		.16	.20	.33	.10	.25	.18	.42	.43	.24	.23	.22	.14	.43
71		.09	.14	.10	.17	.12	.27	.16	.66	.23	.20	.33	.28	.66
72		.13	.06	.07	.12	.09	.29	.43	.25	.15*	.16	.09	.16	.43
MEAN														
S.D.														
TOTAL OBS.														

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OEA)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

012310 STATION LONDRESTROM GL

43-73

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
43	.16	.12	.31	.25	.01	.35	.47	TRACE	.09	.51	.22	.33	2.57
44	.27	.15	.15	.12	.21	.47	.89	.31	.67	.28	.83	.36	4.44
45	TRACE	.08	.20	.37	.58	.79	1.40	.39	.46	.33	.12	.19	4.31
46	.26*	1.10				.14	1.31	.77	.46	.41	.05	.26	
47	.08	.10	.05	TRACE	.12	.49	.32	.56	1.94	1.33	.15	.52	5.56
48	.30	.19	.12	.16	.68*	.10	1.94	2.45	.37	.75		.45	
49	.35	.18	.29	.16	.01	.10	.53	1.51	1.63	.67	.53	.32	6.28
50	.24	.24	.15	.20	.74	.11	.79	.66	.07				
51						.05	1.74	.87	.28	.44	.42	.14	
52	.09	.01	.08	.01	.30	.45	.91	.19	1.19	.24	.81	.37	4.65
53	.86	.25	.12	.52	.21	1.75	.37	.41	.93	.11	.94	.21	5.88
54	.18	.41	.22	.28	.66	1.69	1.47	.43	.46	.47	.43	.27	6.97
55	.07	.04	.76	.01	TRACE	.04	1.35	1.25	1.05	.54	.45	.19	6.65
56	.39	TRACE	.16	.17	TRACE	.17	.87	.91	.48	.70	.18	.46	4.39
57	.19	.08	.10	1.65	.23		.25	.12	.21	1.29	.27	.30	4.71
58	.31	.23	.16	.15	.28	.71	.47	.30	.41	1.52	.41	.09	5.04
59	.01	.82	.27	.12	.44	.31	.88	.96	1.30	1.73	.98	.51	8.26
60	1.13	.18	.33	.23	.34	.67	.23	.62	.27	.87	.30	.50	5.53
61	.31	.52	.33	.35	1.28	.24	.83	1.28	.89	1.79	.59	TRACE	8.41
62	.57	.38	.11	.11	.49	.53	.34	1.25	1.21	.60	.62	.22	6.43
63	.37	.31	.24	TRACE	.69	.40	.51	1.81	1.06	.90	.27	.11	6.57
64	.21	1.01	.95	.42	.53	1.47	2.70	.38	.57	.83	.32	1.47	10.81
65	1.64	.73	.23	.58	.05*	1.00	.34	.57	.58	.63	.21	.57	* 7.17
66	.50	.15	.29	.19	.02	.21	1.52	TRACE	.54	.45	1.20*	1.96	* 7.03
67	.74*	.51	.39	.37	.22	.88	.50	.24	2.02	.87	.78	.33	* 7.85
68	.63	1.77	1.59	.35	.13	.66	1.02	1.18	1.24	.02	.86	.78	10.23
69	.33	.19	.57	.25	.08	1.21	.86	.65	1.67	1.56	1.26	.99	9.53
70	.26	.22	1.21	.33	.37	.70	1.73	1.38	1.27	1.36	.62	.39	9.74
71	.24	.33	.29	.24	.41	.84	.62	1.15	.51	.51	1.31	.62	7.11
72	.65	.19	.19	.37	.31	.98	1.57	.96	.78*	.39	.30	.26	* 6.95
MEAN													
S D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-80-5 (OLA)

EXTREME VALUES
 MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

04212 MONRESTROM GL
STATION STATION NAME

47-22

YEARS

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-8 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

042310

SONDRESTROM GL

46-73

STATION

STATION NAME

YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	54.5	21.3	15.8	6.0	1.2	.6		.5	.1					24.2	806	4.9	16.1	.1
FEB	57.1	22.5	13.1	4.9	1.8		.3	.1	.3					20.5	757	3.9	17.7	.0
MAR	55.3	24.7	13.6	4.5	1.0	.4	.2	.2						20.0	806	3.7	16.2	.8
APR	56.4	28.3	9.3	4.8	.8	.3				.1				15.3	750	2.8	16.5	TRACE
MAY	68.4	20.0	6.8	3.7	.6	.1	.1	.1						11.6	775	2.3	10.4	TRACE
JUN	91.0	6.9	1.0	.7	.4									2.1	768	.5	4.6	.0
JUL	99.4	.5	.1											.1	837	TRACE	.1	.0
AUG	97.4	2.6													837	TRACE	TRACE	.0
SEP	74.3	16.3	4.2	3.1	1.5	.2	.1	.2						9.4	810	2.8	11.1	TRACE
OCT	52.9	23.1	9.7	9.2	3.1	1.1	.5	.4						24.0	805	7.2	17.9	.1
NOV	51.3	24.9	12.1	6.9	2.8	1.3	.3	.1	.1					23.7	750	6.1	18.0	1.8
DEC	51.9	25.4	12.2	8.1	1.4	.5	.4	.1	.1					22.7	806	5.1	20.7	TRACE
ANNUAL	67.5	18.0	8.2	4.3	1.2	.4	.2	.1	.0	.0				14.5	9507	39.3	✕	✕

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

42310 SONORESTROM GL
STATION STATION NAME

44-77

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
46	*	1.6				*	.0	.0	2.0	2.1	.7	3.5	
47	5.4	.2	1.0	TRACE	TRACE	TRACE	.3	TRACE	3.5	4.3	2.0	2.4	5.4
48	1.2	.5	1.9	.7	.5	*TRACE	.0	.0	TRACE	3.7		2.6	
49	.7	.6	2.0	.9	.1	TRACE	.0	TRACE	5.1	1.5	1.9	1.2	5.1
50	.5	1.2	.5	1.0	2.0	.2	.0	.0	.7				
51						*	.0	.2	.0	TRACE	2.0	2.0	1.2
52	1.3	.1	.6	.1	1.0	.0	.0	.0	TRACE	.8	2.7	1.3	2.7
53	7.1	.8	.7	1.6	1.2	1.0	.1	.0	1.3	1.0	7.1	1.2	7.1
54	2.3	4.1	2.9	2.6	1.3	TRACE	TRACE	TRACE	.3	1.6	2.5	.8	4.1
55	.6	.2	4.6	.1	TRACE	TRACE	.7	.0	2.3	1.8	1.4	1.3	4.6
56	2.1	TRACE	.6	.6	TRACE	TRACE	.0	TRACE	TRACE	1.4	.3	.9	2.1
57	.7	.3	.4	13.1	1.9	.7	.7	.0	TRACE	2.2	1.0	1.1	13.1
58	.5	1.5	.6	.5	1.4	2.7	.0	.0	.6	4.1	2.1	.4	4.1
59	.3	1.8	1.2	.4	1.8	TRACE	.0	.0	1.7	3.8	2.7	.8	3.8
60	5.1	.4	1.1	1.4	1.3	.3	.0	.0	.8	5.0	1.7	1.0	5.0
61	1.1	1.5	1.1	1.3	3.7	.0	.0	TRACE	2.3	2.7	3.3	TRACE	5.7
62	5.1	2.2	.7	.7	1.9	.0	.0	TRACE	2.3	4.6	4.0	1.2	5.7
63	3.3	3.7	2.3	TRACE	4.1	.1	.0	TRACE	2.8	1.7	.9	.3	4.1
64	1.0	5.7	3.9	1.7	2.5	2.0	TRACE	.0	2.6	3.2	1.1	4.6	5.7
65	3.3	2.2	.6	2.5	TRACE	TRACE	.0	.0	1.2	2.0	2.0	3.8	3.8
66	1.4	.9	.6	.9	.1	.7	.0	.0	1.2	2.3	3.2	9.0	9.7
67	1.6	1.5	2.7	1.2	.3	TRACE	.0	.0	5.5	3.1	2.8	1.4	5.5
68	4.4	8.0	6.0	.7	.2	.2	.0	.0	TRACE	.1	2.3	2.1	8.7
69	1.5	.7	.8	.6	TRACE	.3	.0	.0	.3	5.4	5.3	1.7	5.4
70	1.8	2.0	3.3	1.0	.4	.7	.0	.0	1.6	2.3	1.1	1.4	3.3
71	.9	1.4	1.0	1.7	1.2	.0	.0	TRACE	.9	2.0	3.3	2.8	3.3
72	1.3	.8	.7	1.2	.9	2.0	.0	TRACE	.7*	1.6	.9	1.6	2.7
73	3.2	1.2	.4										
MEAN	2.22	1.67	1.60	1.46	1.19	.37	.00	TRACE	1.46	2.56	2.33	1.90	5.27
S.D.	1.837	1.864	1.453	2.520	1.370	.677	.017	.000	1.483	1.358	1.514	1.815	2.397
TOTAL OBS	806	757	806	750	775	768	837	837	810	805	750	806	9507

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-80-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

042310 SONDRESTROM GL
STATION

46-73
STATION NAME

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46		2.2				*	.0	.0	3.0	5.9	2.2	8.2	
47	5.8	.1	2.2	TRACE	TRACE	TRACE	.0	TRACE	5.7	10.3	4.5	4.8	33.3
48	4.4	2.0	3.4	2.0	1.1	*TRACE	.0	.0	TRACE	9.7		5.6	
49	2.8	1.9	2.9	1.8	.1	TRACE	.0	TRACE	11.1	5.7	5.3	3.2	34.8
50	2.4	2.4	1.5	2.0	2.9	.2	.0	.0	.7				
51					*	.0	.0	.0	TRACE	4.1	5.2	1.4	
52	1.7	.1	.8	.1	1.6	.0	.0	.0	TRACE	2.3	8.1	3.3	18.7
53	8.6	2.5	1.2	4.9	2.1	1.0	.1	.0	3.1	1.1	10.1	2.1	36.8
54	4.6	6.5	4.0	2.8	2.2	TRACE	TRACE	TRACE	.6	4.6	4.3	2.7	32.3
55	.7	.4	7.6	.1	TRACE	TRACE	.0	.0	5.3	2.9	4.5	1.9	23.8
56	3.9	TRACE	1.6	.7	TRACE	TRACE	.0	TRACE	TRACE	6.3	1.8	4.6	18.9
57	1.9	.8	1.1	16.5	2.3	.0	.0	.0	TRACE	7.0	2.7	3.0	35.2
58	3.1	2.3	1.6	1.5	2.4	2.0	.0	.0	1.2	17.9	3.2	.9	36.1
59	.1	8.2	2.7	1.2	4.1	TRACE	.0	.0	6.7	13.7	9.7	5.1	50.9
60	11.2	1.8	3.3	2.3	3.4	.3	.0	.0	1.5	5.7	2.9	5.0	37.4
61	3.1	5.2	3.3	3.5	10.4	.0	.1	TRACE	5.8	10.5	9.7	TRACE	51.5
62	1.9	5.9	1.4	1.5	3.3	.0	.0	TRACE	2.0	7.1	8.4	4.1	46.6
63	4.6	5.1	3.3	TRACE	9.7	.1	.0	TRACE	8.4	5.1	3.5	.9	40.7
64	3.1	10.4	9.5	4.2	4.9	2.1	TRACE	.0	5.0	8.2	3.2	14.7	65.2
65	16.1	7.3	2.6	5.8	TRACE	TRACE	.0	.0	2.3	5.9	2.2	5.6	47.8
66	5.4	1.7	3.5	1.9	.2	1.1	.0	.0	1.9	4.5	11.6	20.7	52.5
67	7.0	5.7	3.9	3.7	.3	TRACE	.0	.0	5.5	8.2	7.3	3.5	45.1
68	6.1	17.7	16.2	3.5	.5	.3	.0	.0	TRACE	.1	3.1	7.8	55.3
69	2.8	1.9	1.3	1.3	TRACE	.3	.0	.0	1.0	15.6	18.0	9.9	52.1
70	2.6	2.2	12.1	3.3	1.2	.0	.0	.0	2.2	12.0	4.0	3.9	43.5
71	2.8	3.3	2.9	2.4	3.5	.0	.0	TRACE	1.4	5.1	13.0	6.2	47.6
72	6.5	1.9	1.9	3.7	1.8	4.6	.0	TRACE	.7*	3.6	3.0	2.6	* 30.3
73	5.9	4.0	1.1										
MEAN	4.92	3.84	3.70	2.83	2.32	.50	.00	TRACE	2.78	7.23	6.06	5.07	40.81
S.D.	3.588	3.978	3.692	3.242	2.744	1.065	.017	.000	2.932	4.335	4.078	4.472	11.834
TOTAL OBS.	806	757	806	750	775	768	837	837	813	805	750	876	9507

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-60-0 (OEA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

42317 SONDRESTROM GL

43-73

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-03	04-10	11-23	24-30	31-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01.0-4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	2.9	4.6	11.3	13.9	11.7	43.2	10.5	1.8						92.5	930			
FEB	4.5	5.5	6.7	17.2	17.3	33.0	15.8							90.0	842			
MAR	4.4	2.1	9.8	22.4	12.2	35.8	13.2							93.4	899			
APR	17.2	11.1	19.5	10.6	11.7	19.8	10.0	.1						71.8	839			
MAY	77.1	11.3	4.1	2.5	1.1	2.3	.2	.7						11.6	856			
JUN	99.3	.5		.2										.2	858			
JUL	100.0														930			
AUG	99.9	.1													930			
SEP	87.2	6.2	3.9	1.6	.6	.4		.1						6.6	899			
OCT	36.0	11.7	19.7	13.2	6.8	9.3	3.3							52.3	888			
NOV	9.3	6.8	15.4	19.8	16.1	20.2	12.3							83.9	837			
DEC	2.8	7.9	10.7	23.1	16.8	24.2	14.3	.1						89.3	899			
ANNUAL	45.0	5.6	8.4	10.4	7.9	15.7	6.7	.2						49.3	10607			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

4271- SONDRESTROM GL
STATION STATION NAME

43-73 YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
43	1	2	4	3	TRACE	TRACE	0	1	3	8	8	9	9
44	6	5	2	2	TRACE	0	0	0	1	3	9	10	17
45	8	2	3	5*	4	0	0	0*	2*	2*	3	3	8
46	7*	5	1	1	0	0	0	1	1	2	1	7	27
47	7	TRACE	2	TRACE	TRACE	0	0	TRACE	20	2	3	5	27
48	5	4	3	4	2*	1	0	0	1	4	5	5	8
49	5	5	6	7	7	0	0	0	0	4	5	8	8
50	5	7	7	4	2	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	2	3	3	0
52	2	2	2	1	TRACE	0	0	0	TRACE	2	5	6	6
53	11	7	6	6	1	TRACE	0	0	0	1	1	7	11
54	1	5	9	7	1	0	0	0	TRACE	2	6	4	9
55	4	3	6	1	1	0	0	0	0	1	3	4	6
56	6	6	4	4	TRACE	0	0	0	0	6	6	7	7
57	7	7	7	21	18	0	0	0	0	9	4	3	21
58	6	7	5	5	3	TRACE	0	0	TRACE	8	9	7	9
59	7	11	8	8	3	0	0	0	0	2	10	12	12
60	16	12	11	8	6	0	0	0	0	1	5	6	16
61	4	5	6	6	1	0	0	0	0	3	3	4	6
62	7	9	5	2	1	0	0	0	TRACE	6	5	4	9
63	1	3	3	1	2	0	0	0	0	2	2	2	4
64	1	6	4	3	1	0	0	0	0	4	4	9	9
65	1	10	2	5	0	0	0	0	0	2	2	5	13
66	6	4	3	2	0	0	0	0	0	1	2	13	13
67	7	4	4	4	2	0	0	0	0	5	8	7	8
68	7	12	12	5	0	0	0	0	TRACE	TRACE	4	4	12
69	4	4	4*	2	0	2	0	0	0	8	9	6	9
70	5	5	7	2	TRACE	0	0	0	TRACE	3	3	4	7
71	4	2	4	4	1	0	0	0	TRACE	2	7	8	8
72	6	4	5	6	TRACE	2	0	0	1*	2	3	3	6
MEAN													
S.D.													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-00-0 (OEA)

USAF ETAC FORM 0-88-5 (OLA)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

(PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- *1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- *2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VBEL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

*Values for means and standard deviations do not include measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH
UNAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

040712 CONCRESTROM GL
STATION STATION NAME

55-73 YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
55												ENE 40	
56	W 39E	40ENE	31E	23SW	33WNW	29W	39ENE	32WSW	31WNW	37W	35ENE	28E	E 47
57	S 45ENE	31SSW	23SW	25NE	71E	1	21FNE*18E	*29WSW	35NW	36W	36	S	45
58	ESE 39ESE	42NNE	16WNW	34SW	37E	31E	22ENE	18NNW	23ENE	31E	33S	41E	ESE 42
59	E 44ENE	36NE	21W	37W	30ENE	23E	32S	*36S	43E	34S	48ENE	29	S 48
60	SE 41E	26S	27N	27SW	25W	24NNW	19E	26NW	26E	36NE	37SSW	30	SE 42
61	NE 37WNW	29S	30NNW	24S	37E	*37SSW*32S	42SSW*27SSW	*24WNW*28E	*40	S	47		
62	ESE*29E	*40ENE	30SSW*34E	*37E	*30ENE*23ENE	22ENE	22E	*35SW	38ENE	56	ENE	56	
63	S 53E	*44W	43SW	28W	28WSW	24SW	28NE	30SSW*36ENE	*30SW	28SSW	36	S	57
64	ESE 40E	40SE	40ESE	33WSW	24W	33SW	30W	33ENE	37ESE	34ENE	36SSW	44	SSE 49
65	E 44S	42WNW	31NE	32FNE	35WNW	28NW	25SE	30W	48ESE	26SW	42SE	27	W 49
66	NW 32E	46WNW	36FSE	23W	27WNW	31SSW	37E	18SW	43E	39SSW	49SSW	36	SSW 49
67	E 43SSW*35SSW	30E	40E	24W	27WSW	20SW	30SSW	42WNW	19S	33SSW	32	E	42
68	E *29ENE*48SW	29W	35NE	21ENE	2418/	28 8/	5322/	3320/	3919/	52 9/	23	19/	52
69	20/	2421/	3627/	4112/	4423/	4731/	26 7/	2730/	2310/	47 5/	2722/	5725/	33
70	5/	3318/	5237/	2830/	33 3*	3227/	3837/	3327/	3018/	3724/	4122/	4913/	39
71	12/	2923/	2529/	2827/	292 7/	36 6/	3722/	3521/	29 7/	2814/	2622/	4825/	48
72	6/	4027/	5529/	34 5/	42 8/	4319/	3923*	2313*	3621/	4119/	5712/	3211/	52
73	11/	5225/	3624/	35									
MEAN	40.3	38.3	37.6	31.4	31.9	29.1	28.3	29.5	35.4	34.4	40.8	37.1	46.9
S.D.	7.631	8.957	7.220	6.561	7.396	5.92	6.414	8.605	8.670	8.992	8.534	9.079	5.463
TOTAL OBS	542	472	548	501	511	476	502	506	486	494	483	549	677

NOTES * (BASED ON LESS THAN FULL MONTHS)

UNAF ETAC FORM 0-88-3 (OLA)

5 (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0-231 STATION NAME SONDRESTROM GL YEARS 75-83 MONTH JAN
CLASS ALL WEATHER HOURS (L.S.T.) 0000-0200
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3											.3	3.2
NNE	.3	.4		.8								1.5	5.1
NE	8.3	8.6	11.7	2.3	.3	.3						30.6	6.4
ENE	7.7	9.2	11.2	3.6	.9	.1	.1					32.5	6.9
E	.9	.8	1.7	2.3	.4	.3						6.3	10.3
ESE	.1	.3	.1		.3							.8	9.8
SE		.7	.1	.7	.3							1.3	12.7
SSE			.7	.1								.4	10.3
S				.4	.4							.9	17.2
SSW			.1	.1	.4	.1						.8	16.3
SW	.1		.1	.1		.1						.5	11.3
WSW	.1	.3		.3								.7	7.4
W	.7	.5	.3	.1								1.6	5.6
WNW	.1	.1	.3	.1	.1							.8	9.2
NW					.1							.1	18.0
NNW		.1		.1								.3	10.0
VARBL	1.9	.4	.1									2.4	3.2
CALM												18.2	
	27.5	21.0	25.4	10.7	3.2	.9	.1					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 798

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42317 STATION NAME SONDRESTROM GL 75-83 YEARS JAN MONTH 0300-0500 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.5	.1										.4	3.3
NNE	1.1	.4										1.5	2.8
NE	6.1	9.9	9.9	3.1	.7							29.6	6.7
ENE	7.7	10.8	13.1	3.7	.5	.3						35.5	6.9
E	.5	1.8	1.4	1.4	.4	.5						6.5	10.4
ESE	.3		.5	.4	.4							1.4	11.7
SE			.5	.7	.1							1.1	13.4
SSE	.1	.1	.1	.3	.1							.8	11.3
S		.3	.1	.4								.8	10.2
SSW				.1		.1						.3	20.5
SW	.1					.1						.3	13.0
WSW	.3	.1										.4	3.7
W	.5		.5	.1								1.9	5.0
WNW		.4	.3	.1								.7	8.4
NW		.1	.3	.1								.5	9.3
NNW				.1								.1	13.0
VARBL	1.2	.1										1.4	2.6
CALM												17.5	
	17.9	24.5	26.3	17.6	2.3	1.1						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 739

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 271 STATION NAME SONDRESTROM GL YEARS 75-83 MONTH JAN
CLASS ALL WEATHER
HOURS (L.S.T.) 0600-0800
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3										.4	4.7
NNE	.5	1.0	.3									1.8	4.9
NE	9.9	9.7	11.7	1.9	.3							31.4	6.1
ENE	7.9	8.5	11.1	4.2	.5	.3						32.5	6.9
E	.4	.7	1.9	2.7	.7	.4						6.8	12.2
ESE			.1	.4	.1	.7	.1					1.5	19.7
SE			.1									.1	8.0
SSE		.1	.1									.3	6.7
S	.1	.1	.1	1.7	.4							1.8	13.7
SSW		.1		.1	.4	.1	.1					1.0	18.1
SW				.1								.1	14.3
WSW	.1	.3	.1									.5	4.5
W	.1	.1	.7	.3								1.2	7.9
WNW			.7	.1								.4	9.0
NW		.1	.3			.1						.5	11.5
NNW			.1	.1	.1							.4	12.7
VARBL	1.2	.1	.3									1.6	3.2
CALM												17.5	
	19.5	21.2	26.2	11.1	2.6	1.6	.3					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 732

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42310 STATION SONDRESTROM GL 75-83 YEARS
STATION NAME CLASS ALL WEATHER
CONDITION

JAN MONTH
0900-1100 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4	.3	.1								.8	6.8
NNE	.4	.7	.3	.1								1.5	5.5
NE	9.2	9.7	9.6	2.1	.3	.1						31.4	5.9
ENE	5.5	9.8	12.7	4.2	.9	.3	.1					33.5	7.5
E	.9	1.6	1.6	2.1	.5	.3	.4					7.5	11.0
ESE			.1	.7	.5	.1	.1					1.6	18.0
SE			.1	.3	.1	.3						.8	16.3
SSE					.1							.1	18.0
S		.1	.1	.1	.1	.5						1.1	17.0
SSW		.1		.1	.1	.1						.5	15.3
SW		.1	.1	.1								.4	9.3
WSW		.1	.1									.3	6.0
W	.1	.3	1.2	.3								1.9	8.6
WNW				.3								.3	14.5
NW	.1			.1	.4							.7	15.0
NNW			.1	.1								.3	13.0
VARBL	9.0											2.0	2.1
CALM												15.4	
	18.4	22.9	26.8	11.9	3.2	1.7	.7					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 746

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

042115 STATION SONDRESTROM GL 75-R3 JAN
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1200-1400
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7		.1									.4	5.7
NNE	.4	.5	.4	.1								1.5	6.2
NE	9.1	8.3	10.3	1.9	.7							27.3	6.7
ENE	8.2	8.2	13.5	4.6	1.2							35.6	7.1
E	.3	.3	1.8	1.8	1.4	.4	.1					6.5	12.7
ESE			.4	1.1	.3	.1	.1					2.2	15.7
SE		.1	.1	.2	.3	.3	.3					1.2	19.2
SSE			.1		.4	.3						.8	18.7
S			.1	.3		.1						.5	13.8
SSW	.3	.1		.1	.1							.7	9.2
SW	.1		.1									.3	5.5
WSW	.3	.3	.3	.1								1.2	5.9
W	.4	.4	.3	.4								1.5	7.5
WNW		.1	.1	.3	.1							.8	10.0
NW			.1	.4								.5	11.5
NNW				.1								.1	14.3
VARBL	1.1	.3										1.4	2.5
CALM												14.8	
	20.2	18.7	27.9	11.4	4.5	1.2	.5					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 736

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATC WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

0-710 CONCRETE/CL 75-P3
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
JAN
MONTH
15.0-1700
HOURS (L.S.T.)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.1										.4	3.0
NNE	1.5	.5	.4	.3								2.7	5.1
NE	8.9	9.3	8.5	2.3	.1							29.2	5.9
ENE	6.4	9.3	12.8	2.5	.8	.1						32.0	6.9
E	6.7	1.4	3.3	1.9	.8	.4	.1					8.4	10.3
ESE			.1	.7	.3	.4	.3					1.8	19.6
SE				.4	.4	.4	.3					1.2	20.8
SSE			.1	.3	.3							.7	14.2
S	.4	.1			.4	.1						.8	15.2
SSW	.1			.7	.3		.3					1.4	16.6
SW	.1						.4					.5	22.5
WSW													
W		.3	.5	.5	.1							1.5	10.5
WNW		.1										.1	4.0
NW			.1									.1	10.0
NNW		.1	.1									.3	6.5
VARBL	.7	.7	.3									1.2	4.9
CALM												17.6	
	18.8	21.7	26.3	9.5	3.6	1.2	1.4					170.0	6.4

TOTAL NUMBER OF OBSERVATIONS 729

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4271 STATION NAME SONDRESTROM GL YEARS 75-82 JAN 1980-2000
MONTHS (L.S.T.)
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.1										.4	3.7
NNE	1.3	.2		.1								2.2	3.8
NE	3.9	11.6	8.7	1.9	.1							7.2	5.6
ENE	6.5	9.0	13.4	2.6	1.2	.3						32.9	7.1
E	.1	1.6	2.7	1.3	1.1	.3						6.3	11.1
ESE		.1	.1	.5	.7	.1						1.6	15.4
SE		.1		.7	.1	.1						.7	15.0
SSE			.1	.3		.3						.7	16.2
S			.1	.3	.1		.1					.7	16.8
SSW			.1	.3	.1		.1	.3				.9	22.7
SW		.7			.1	.1						.5	13.3
WSW	.7	.1	.1	.1		.1						.8	9.0
W	.4	.5	.4	.3	.1							1.7	7.7
WNW		.1	.3	.1								.5	15.0
NW	.1	.1	.1	.3								.7	7.8
NNW			.1									.1	10.0
VARBL	1.3	.4										1.7	2.9
CALM												16.3	
	19.2	25.0	25.7	8.3	3.7	1.3	.3	.3				100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 756

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4231 STATION SONDRESTROM GL 75-83 YEARS JAN MONTH 2100-2300 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.1										.4	2.7
NNE	.7	.7	.1									1.5	3.8
NE	0.4	0.6	8.8	2.6	.1							30.5	5.8
ENE	7.4	10.7	12.1	3.8	.5	.1						34.7	6.7
E	.3	.1	2.4	1.6	.3	.3						5.0	11.3
ESE		.7	.3	.1	.5							1.2	12.4
SE				.9	.4	.3						1.6	16.4
SSE			.1	.4	.1							.7	14.2
S	.1	.1		.7	.1							.7	10.6
SSW			.1	.1	.1		.1	.1				.7	22.6
SW		.1	.1	.7	.1		.1		.1			.9	19.9
WSW		.1		.3								.4	11.0
W	.3	.9	.4	.4								2.0	6.9
WNW			.1	.3	.1							.5	12.8
NW			.1	.3								.4	11.0
NNW		.1	.1									.3	7.0
VARBL	.7	.3										.9	3.1
CALM												17.5	
	19.2	23.2	25.0	11.3	2.6	.7	.3	.1	.1			100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 741

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1271 SONORESTROM GL STATION NAME YEARS 75-83 MONTH JAN
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2	.1	.0								.4	4.4
NNE	.9	.6	.7	.1								1.3	4.6
NE	3.6	9.6	9.7	2.3	.3	.1						30.5	6.1
ENE	7.7	9.4	12.5	3.6	.8	.2	.7					33.6	7.0
E	.6	1.7	2.0	1.9	.7	.3	.1					6.6	11.1
ESE	.1	.1	.2	.5	.4	.2	.1					1.5	15.9
SE		.1	.1	.4	.2	.2	.1					1.2	16.2
SSE	.1	.0	.1	.2	.1	.1	.1					.6	14.1
S	.1	.1	.1	.3	.2	.1	.0					.9	14.4
SSW	.1	.1	.1	.2	.2	.1	.1	.1				.8	17.6
SW	.1	.1	.1	.1	.7	.1	.1		.7			.5	15.2
WSW	.1	.2	.1	.1		.2						.5	6.9
W	.4	.4	.5	.3	.1							1.7	7.4
WNW	.7	.1	.2	.2	.1							.5	9.9
NW	.7	.1	.1	.2	.1	.0						.5	11.3
NNW		.1	.1	.1	.7							.2	10.6
VARBL	1.2	.3	.1									1.6	3.0
CALM												16.8	
	19.3	22.3	26.2	17.5	3.2	1.2	.4	.1	.2			100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 5927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1231 STATION NAME SONDRESTPOM GL YEARS 75-83 MONTH FEB
CLASS ALL WEATHER HOURS (L.S.T.) 0000-0200
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.1									.1	9.3
NNE	.4	.1	.4	.3								1.6	7.3
NE	3.8	11.1	8.7	1.3	.3	.4						29.9	5.8
ENE	9.0	10.5	10.6	1.5								31.5	5.7
E	2.1	1.4	3.1	1.0								8.1	7.0
ESE	.3	.1		.3								.7	7.2
SE			.1									.1	10.0
SSE			.3									.3	9.3
S				.1		.3						.4	20.7
SSW	.1			.1	.1							.4	10.3
SW			.3	.3	.1	.1						.9	14.0
WSW	.1	.3	.1	.1	.1							.9	9.0
W	.1	1.0	.4	.3								1.9	7.0
WNW													
NW		.1		.1	.1							.4	13.7
NNW	.1	.1			.1							.4	8.3
VARBL	.6	.1										.7	2.6
CALM												21.5	
	21.8	25.3	23.9	5.6	1.0	.9						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 679

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

042310
STATION

CONDRESTROM GL
STATION NAME

75-83
YEARS

FER
DORTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.1									.1	7.0
NNE	.1	.3	.3									.7	5.6
NE	9.1	10.0	9.9	1.6	.1							3.7	5.7
ENE	4.1	13.1	7.3	2.1	.4							1.0	5.9
E	1.5	1.3	2.4	1.2	.1	.1						6.7	8.0
ESE	.1			.6	.1							.9	13.5
SE			.1	.4								.6	12.8
SSE													
S				.7								.3	13.5
SSW	.1	.1		.1	.1							.6	9.8
SW	.7	.3	.1		.1	.1						1.7	10.3
WSW	.5	.1				.1						.9	6.0
W		.7	.6		.7							1.6	9.1
WNW	.1	.1	.3	.1								.7	7.2
NW				.3								.3	14.5
NNW			.3	.4	.1							.9	12.3
VARBL	1.7	.1										1.2	2.3
CALM												21.5	
	21.2	5.4	21.5	7.3	1.6	.4						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

670

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1231 STATION NAME SONDRESTROM GL YEARS 75-87 MONTH FEB
CLASS ALL WEATHER HOURS (L.S.T.) 0600-0800
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.1	.3								.4	11.3
NNE	.4	.6	.4	.4								1.9	7.6
NE	7.0	9.1	11.3	1.5	.1							28.9	5.9
ENE	3.3	11.5	19.0	2.2	.1	.4						32.6	6.3
E	2.1	1.6	2.8	1.2	.3							8.3	7.4
ESE		.1	.1	.3								.6	10.8
SE													
SSE	.1		.1	.3								.6	9.3
S				.1	.1	.1						.4	20.0
SSW					.1							.1	18.0
SW	.1	.1		.1		.1						.6	10.3
WSW	.4	.4		.1								1.5	5.2
W	.4	.6	.3	.1	.1	.1						1.8	8.4
WNW	.1		.1			.1						.4	11.0
NW			.3	.1								.4	11.0
NNW			.1	.4								.6	11.0
VARBL	1.4	.1	.1									2.1	2.8
CALM												18.8	
	21.9	24.7	25.0	7.5	1.0	1.0						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 671

CLERICAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1271 CONDRESTROM GL STATION NAME 75-93 YEARS 1962-1975
 CLASS ALL WEATHER
 CONDITION NOBS 1157

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.7										.8	3.5
NNE	.1	.7	.7									.8	6.4
NE	.1	.1	6.7	1.2	.1							.7	5.3
ENE	11.1	1.5	8.4	4.7	.1							74.4	5.2
E	2.6	1.3	2.8	1.2	.1							3.5	6.8
ESE	.4	.4	.3	.1	.1							1.1	7.4
SE													
SSE			.1	.1								.1	11.5
S				.1	.1							.3	17.2
SSW		.1	.1	.4	.1	.1						.1	14.3
SW	.1	.3										.4	3.7
WSW	.4	.1		.1								.7	4.6
W	.7	.1	1.2	.7	.7							2.7	9.1
WNW	.1											.1	2.2
NW		.1	.1	.1								.4	8.7
NNW		.1	.1	.1								.4	4.3
VARBL	.7	.9										1.1	3.1
CALM												1.2	
	26.2	25.4	20.8	8.1	1.2	.1						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 652

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

0-2310 CONROESTROM GL 75-83 FEB
STATION STATION NAME YEAR MONTH
ALL WEATHER
CLASS
CONDITION
12 0-1400
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.6	1.1	.6	.7								2.4	5.2
NE	8.4	7.5	4.5	1.4								11.3	5.2
ENE	8.4	6.7	9.5	2.3	.2	.2						29.6	6.0
E	7.3	3.2	2.1	.6	.4							9.5	5.7
ESE	.7	.7	.7	.6								1.2	9.0
SE		.3										.2	5.0
SSE		.7										.2	5.0
S	.7											.2	2.7
SSW	.7	.7		.7	.2		.7					.9	11.5
SW	.7		.4		.7		.7					.6	15.7
WSW	.6	.8	.5		.4		.2					2.3	8.6
W	.3	.8	.5	.3	.3	.7						2.3	9.8
WNW		.7	.2			.7						.5	12.3
NW			.7	.2								.5	10.0
NNW		.7	.4	.2								.6	9.3
VARBL	1.3	.5										2.3	2.5
CALM												75.8	
	23.7	23.7	18.6	5.7	1.4	.5	.5					100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 666

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1231 SONCRESTROM GL STATION NAME 75-83 YEARS FEB MONTH 1500-1700 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.6	.7	.3	.4								2.1	6.4
NE	9.8	8.5	5.3	.4								24.3	9.7
ENE	11.7	8.7	5.8	1.3	.4	.1						26.7	5.3
E	3.0	.6	3.0	.7	.3							7.6	6.8
ESE	.1		.6	.3	.3							1.3	11.6
SE				.1								.1	16.0
SSE	.1					.1	.1					.4	17.7
S	.1	.1		.1								.4	6.7
SSW	.1	.1		.3								.6	8.3
SW		.1		.1	.1							.4	13.7
WSW	.1	.3	.3		.1							.9	7.8
W	.3	.4	1.7	.1	.1							2.1	7.6
WNW	.4						.1					.6	9.3
NW			.6	.1	.1	.6						1.5	16.7
NNW		.1	.3		.1							.6	11.3
VARBL	1.6											1.6	2.2
CALM												28.9	
	27.4	19.1	17.2	4.3	1.8	.9	.3					100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 674

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4271 STATION NAME SONDRESTROM GL YEARS 75-83 MONTH FEB
CLASS ALL WEATHER
CONDITION 1800-2000
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.7		.2							.3	14.0
NNE	7.1	.5	.6	.3								2.4	5.5
NE	5.1	9.6	7.7	1.4	.6	.2						27.4	5.9
ENE	8.4	9.5	7.7	2.6	.5							78.1	5.9
E	3.3	1.7	2.4	1.7	.3							8.3	7.3
ESE			.7	.3								.5	13.3
SE													
SSE				.7	.3	.2						.6	18.8
S		.7		.2								.3	10.0
SSW				.2								.2	15.0
SW	.7	.2			.7							.6	11.0
WSW	.7	.2	.3									.8	5.8
W	.7	.5	.3	.2								1.2	6.5
WNW					.2	.2						.3	20.5
NW	.2	.2	.6	.2	.2	.3						1.5	12.4
NNW			.7	.3	.3	.2						.9	15.0
VARBL	1.8	.2										2.0	2.5
CALM												24.8	
	22.4	22.4	19.5	7.2	2.7	.9						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 665

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4271 STATION SONDRESTROM GL 75-R7 YEARS FEB
STATION NAME CLASS ALL WEATHER MONTHS 2100-2300
CONDITION HOURLY (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.3									.4	8.3
NNE	.4	.4	1.7									1.9	6.3
NE	9.9	10.3	9.5	2.4								1.1	5.9
ENE	9.7	10.6	9.4	2.2	.6							30.8	6.2
E	.7	2.4	2.1	1.8	.3	.3	.1					7.7	9.3
ESE	.3		.1	.6								1.0	10.0
SE	.1			.1								.3	6.5
SSE				.1	.1							.3	16.5
S		.1		.1		.1						.4	14.7
SSW				.3								.3	15.0
SW				.1	.6		.1					.9	19.5
WSW	.3	.1			.1							.6	7.3
W	.4	.4	.3									1.2	4.8
WNW			.1									.1	9.7
NW		.1	.1	.3		.1						.7	13.2
NNW				.1								.1	13.0
VARBL	1.3		.1									1.5	2.8
CALM												20.4	
	2.7	24.7	23.2	8.3	1.8	.6	.3					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 672

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 42710 STATION NAME SONDRESTROM GL YEARS 75-83 MONTH FEB
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.1	.0	.0							.2	9.2
NNE	.5	.6	.6	.2								1.8	6.4
NE	8.8	9.4	7.7	1.4	.2	.1						27.6	5.6
ENE	9.1	17.4	8.5	2.3	.3	.1						30.6	5.9
E	2.2	1.3	2.6	1.2	.2	.1	.0					8.0	7.2
ESE	.3	.1	.2	.4	.1							1.0	10.0
SE	.3	.0	.0	.1								.2	10.6
SSE	.1	.1	.1	.1	.1	.1	.0					.3	13.5
S	.1	.1		.1	.1	.1						.4	14.2
SSW	.1	.1	.0	.2	.1	.1	.0					.5	12.0
SW	.1	.1	.1	.1	.2	.1	.0					.7	12.7
WSW	.4	.4	.1	.1	.1	.0	.0					1.1	7.0
W	.3	.6	.6	.2	.1	.1						1.8	8.1
WNW	.1	.0	.1	.0	.0	.1	.0					.4	10.3
NW	.1	.1	.3	.2	.1	.1						.7	13.1
NNW	.1	.1	.2	.2	.1	.0						.6	11.5
VARBL	1.3	.2	.0									1.6	2.6
CALM												22.5	
	23.2	24.0	21.2	6.7	1.6	.7	.1					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 5366

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR FATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4271 STATION SONDRESTROM GL STATION NAME 75-83 YEARS MAR MONTH
ALL WEATHER CLASS 0000-0200 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1		.1									.3	5.5
NNE	.4	.4	.1	.1								1.1	5.6
NE	1.2	8.6	5.6	1.0								26.3	5.1
ENE	1.9	9.7	7.7	.8	.6	.4						29.2	5.6
E	2.2	2.5	3.2	.8								8.7	6.4
ESE		.6	.1	.1								.8	7.3
SE			.4	.1								.6	11.3
SSE													
S													
SSW						.1						.1	22.3
SW				.1								.1	14.0
WSW	.3	.6	.3	.3	.1							1.5	8.2
W	.3	.4	.1	.6	.4							1.9	11.2
WNW					.3							.3	18.0
NW	.1	.1	.3	.4	.8							1.8	14.2
NNW	.1		.4	.1								.7	8.4
VARIABLE	1.1	.3										1.4	2.8
CALM												25.2	
	25.7	22.3	19.4	4.6	2.2	.6						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 725

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION
4211

STATION NAME
SONDRESTROM GL

YEARS
75-83

MAP
BORTH

ALL WEATHER

CLASS

CONDITION

0300-0500
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1		.1									.3	4.5
NNE	.8	.4	.3	.1								1.7	5.3
NE	17.1	8.8	6.7	.4	.3							25.7	4.9
ENE	9.8	17.3	7.7	1.4		.3						29.5	5.5
E	2.1	2.2	3.1	.6	.6	.3		.3				9.1	8.4
ESE	.7	.7	.4	.3			.1					1.1	11.4
SE		.1										.3	6.0
SSE	.1	.1	.4		.1							.8	9.3
S		.1		.1								.3	7.5
SSW		.1		.1								.4	12.3
SW													
WSW	.9	.1	.1	.4								1.5	6.5
W	.5	.3	.6	.3								1.7	6.3
WNW			.4	.6	.1							1.1	13.6
NW		.1	.6	.3	.7							1.7	13.1
NNW			.1	.1								.3	10.0
VARBL	1.4											1.4	2.0
CALM												23.1	
	26.0	27.2	20.0	4.9	1.8	.6	.1	.3				100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

715

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0271 STATION NAME SONDRESTROM GL YEARS 75-83 MAP 4AP
CLASS ALL WEATHER MONTHS 0500-0800
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1										.1	6.2
NNE	.4	.1	.1									.7	3.8
NE	9.1	8.6	6.5	.7	.1							25.2	5.1
ENE	11.1	12.7	7.2	.8	.3	.3						31.4	5.3
E	2.5	2.9	2.4	1.1		.1						9.0	6.5
ESE			.1	.7	.1							1.0	13.9
SE			.1		.1							.3	13.0
SSE			.3	.3		.1						.7	14.8
S				.3								.3	13.5
SSW			.1	.1	.1							.4	13.3
SW	.1		.1	.1								.4	9.3
WSW	.4	.4		.1								1.0	5.4
W	.4	.7	.3									1.9	6.9
WNW	.1	.1	.1	.3	.1							.8	10.0
NW	.1		.3	.6	.1	.1						1.2	13.2
NNW	.1	.1		.3	.3							.8	11.8
VARBL	1.7	.1										1.8	2.3
CALM												23.1	
	25.2	26.0	17.7	5.9	1.4	.7						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 723

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42717
STATION

SONDRESTROM GL
STATION NAME

75-83
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N													
NNE		.4	.1									.6	5.5
NE	8.7	7.6	4.1	.8	.1	.1						21.5	5.0
ENE	13.1	11.3	5.4	1.4	.3							31.4	4.9
E	2.8	2.6	2.3	1.1	.3							9.1	6.5
ESE		.6	.4	.4	.6	.3						2.2	12.8
SE	.1	.1	.1	.1	.1	.3						.8	13.8
SSE			.1	.1	.1			.1				.6	18.0
S				.1			.1					.3	23.5
SSW		.1		.6								.7	11.0
SW	.9	.1	.4		.1	.1						1.5	7.5
WSW	1.4	.4	.3		.1							1.8	4.9
W	.7	.4	.4	.3								1.8	6.1
WNW					.1							.1	20.0
NW		.1	.3	.4	.6							1.4	14.3
NNW					.1	.1						.3	22.0
VARBL	1.4	.3	.1									1.8	3.2
CALM												24.2	
	28.4	24.1	14.2	5.2	2.6	1.0	.1	.1				100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

726

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4271- STATION 4271- SONDRESTROM GL STATION NAME 75-83 YEARS MAR MONTH 1200-1400 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.1	.4	.7									1.2	7.2
NE	5.1	4.2	2.7	.1								12.2	4.5
ENE	8.7	7.6	3.7	.4	.3							19.9	4.9
E	3.5	3.5	2.7	.7								10.5	5.4
ESE	.1		.1	.3	.4	.1						1.1	14.1
SE		.1	.3	.1	.1							.7	11.6
SSE			.9	.1	.1	.1						1.4	12.2
S	.1	.1	.3	.1	.1	.3						1.1	13.8
SSW	.1		.1	.1								.4	8.0
SW	.8	.1	.5	.3								1.8	6.5
WSW	2.8	1.2	.8	.9								5.8	5.7
W	1.2	.8	1.2	.8	.1							4.2	6.8
WNW	.1			.4	.1	.1						.8	14.8
NW			.1	.4	.7							1.2	16.0
NNW				.1								.1	14.0
VARBL	1.5		.1									1.6	2.7
CALM												36.0	
	23.7	18.2	14.9	5.0	2.0	.7						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 738

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

4231
STATION

SONDRESTROM GL

STATION NAME

75-83

YEARS

MAR
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.1	.3								.4	10.0
NNE		.1	.7	.6								1.4	9.7
NE	2.0	4.4	2.1	.6	.1							10.0	5.7
ENE	.6	6.3	3.3	.3								17.5	4.6
E	1.0	1.0	2.6	.3								6.7	5.6
ESE	.4	.1	.3	.3	.1							1.2	8.7
SE		.1	.4	.1	.4							1.1	12.6
SSE	.1	.3	.3	.1			.1					1.0	10.1
S	.3			.3	.1							.7	10.2
SSW		.1		.3								.4	10.0
SW	.3			.6	.3							1.1	11.6
WSW	1.1	.7	1.2	.7	.3	.3						6.2	6.6
W	1.2	1.1	1.3	.4	.3	.1						6.9	5.6
WNW	.1	.3	.1	1.1	.3	.1						1.9	13.6
NW			.5	.6	.1	.1						1.4	13.8
NNW			.1	.6	.1							.8	14.2
VARBL	1.4	.1										1.5	2.5
CALM												19.8	
	21.2	16.2	13.1	6.7	2.2	.7	.1					100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

727

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1231 SONDRESTROM GL 75-83 MAP
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.3									.4	7.3
NNE	.3	.6	.6	.6								2.3	8.4
NE	6.7	6.0	3.9	.6	.1							16.6	5.3
ENE	7.1	7.3	5.6	.7	.4							21.1	5.3
E	1.4	2.7	2.2	.7	.1							6.4	6.7
ESE	.4		.4									.8	5.8
SE	.1		.1									.3	5.0
SSE		.1	.1									.3	6.5
S		.4	.1									.6	6.0
SSW	.1	.1										.3	3.5
SW		.1	.4	.1								.7	9.0
WSW	.9	.8	.8	.3	.1							2.9	6.6
W	.3	.4	1.1	.6	.4							3.4	8.9
WNW		.4	.4	.6								1.4	9.8
NW		.6	1.7	1.0	.3	.4						3.2	12.5
NNW			.4	.1		.1						.7	12.6
VARBL	2.0	.3										2.2	2.4
CALM												36.7	
	19.1	19.3	17.6	5.2	1.5	.6						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 716

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

0231 STATION SONNRESTROM GL 75-R3 YEARS 4AP MONTH
ALL WEATHER CLASS 100-2300 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3											.3	2.0
NNE		.4	.7	.8								1.4	7.5
NE	2.8	7.2	4.3	.4								23.7	4.9
ENE	9.1	9.9	6.9	1.8	.3							28.7	5.6
E	7.2	2.2	2.6	1.4								8.4	6.9
ESE	.1	.6	.1	.4	.8							1.5	10.3
SE													
SSE													
S													
SSW	.1											.1	2.0
SW		.7		.3								.6	10.0
WSW	.7	.4	.6	.7								1.9	6.4
W	.7	.6	.7	.6	.4	.7	.1					2.9	12.4
WNW		.7	.1									.4	7.3
NW			1.1	.3	.6	.7						2.6	15.5
NNW		.7	.4	.1								.8	7.5
VARBL	1.4	.1										1.5	2.4
CALM												25.9	
	24.7	22.2	19.6	5.8	1.5	1.7	.1					100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 726

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION SONDRESTROM GL STATION NAME 75-27 YEARS 1971 MONTH ALL

CLASS ALL HOUSE (L E T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.4	.1	.2								.2	4.3
NNE	.7	.4	.4	.2								.2	7.2
NE	7.7	6.9	4.8	.6	.1	.2						10.1	5.2
ENE	9.4	9.3	5.0	.9	.7	.1						16.2	5.2
E	7.3	7.5	7.6	.8	.1	.1		.7				9.5	6.5
ESE	.1	.2	.2	.7	.2	.1	.7					.2	10.9
SE	.7	.1	.2	.1	.1	.2						.5	11.6
SSE	.7	.1	.3	.1	.1	.2	.7	.7				.6	12.1
S	.7	.1	.1	.1	.2	.2	.7					.4	11.9
SSW	.1	.1	.2	.2	.2	.2						.4	1.3
SW	.7	.1	.2	.2	.1	.2						.5	8.6
WSW	.2	.6	.5	.4	.1	.2						2.3	6.3
W	.9	.7	.7	.5	.7	.3	.7					3.1	7.7
WNW	.1	.1	.2	.3	.1							.9	12.5
NW	.7	.1	.5	.5	.5	.2						1.0	14.7
NNW	.7	.1	.2	.2	.1	.1						.6	11.6
VARBL	1.5	.3	.1									1.7	2.5
CALM												9.3	
	24.2	21.4	17.0	5.4	1.0	.7	.1	.1				10.7	4.3

TOTAL NUMBER OF OBSERVATIONS 5706

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1231 STATION NAME SONDRESTROM GL YEARS 75-82 MONTH APR
STATION 1231 STATION NAME SONDRESTROM GL YEARS 75-82 MONTH APR
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1		.1		.1							.4	9.7
NNE	.4	1.3	1.0	.7	.4							3.8	8.2
NE	5.9	8.4	4.6	1.0								19.7	5.3
ENE	2.5	9.8	7.1	1.4	.4	.1	.1					27.3	5.9
E	2.5	4.5	5.7	.7								12.8	6.6
ESE	.4		.3	.6	.1							1.5	8.7
SE	.1	.1		.1								.4	6.7
SSE	.1	.4	.1	.6	.1							1.4	10.0
S	.1		.1	.1								.4	9.3
SSW	.1		.1	.1		.1						.7	11.6
SW	.1		.1	.1	.4	.1						1.0	16.0
WSW	.4	.3	.3	.6								1.5	8.4
W		.4	.4	.8	.1							2.2	10.1
WNW	.1	.1	.1	.4	.4							1.3	12.6
NW		.1	.4	2.2	.7	.3						4.2	14.2
NNW		.4	.7	.3								1.4	8.3
VARBL	1.8	.8	.1									2.8	3.1
CALM												17.5	
	19.8	26.7	22.3	9.9	2.9	.7	.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 716

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4231 STATION SONDRESTPOM GL STATION NAME 75-83 YEARS APR MONTHS
ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	.1	.6	.1							1.1	10.9
NNE	.4	1.1	1.3	.4								3.1	6.6
NE	6.4	8.2	5.4	1.4								21.4	5.5
ENE	5.6	8.9	8.1	2.5	.3							25.3	6.4
E	2.6	3.6	5.1	1.3								12.7	6.7
ESE			.4	.1	.3							.8	13.7
SE	.1	.1	.1	.3								.7	8.0
SSE	.3		.1	.4								.8	8.2
S	.1		.4	.3								.8	10.0
SSW			.1	.1	.1		.1					.6	17.8
SW	.7	.1	.3	.1	.1	.3						1.3	12.2
WSW	.6	.6	1.3	.6								2.9	7.7
W	.1	.4	1.3	.8								2.6	9.4
WNW			.7	.4								1.1	10.8
NW	.3	.1	.7	1.1	1.1	.1						3.5	14.2
NNW			.4	.3								.7	10.6
VARBL	1.7	1.1										2.4	3.5
CALM												18.2	
	18.2	24.3	25.9	10.7	2.1	.4	.1					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 719

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 6271 STATION NAME SONDRESTROM GL YEARS 75-83 APP 0600-0800
DATE 0600-0800
HOURS (L.S.T.)
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.3	.3	.1	.1							.8	9.8
NNE	.3	1.7	.8	.8								2.9	7.6
NE	7.4	10.9	5.0	.1	.1							23.7	5.1
ENE	8.4	7.6	5.6	2.2								23.8	5.5
E	3.1	2.2	6.7	2.5								14.6	7.5
ESE	.1	.4	.3									.8	5.3
SE	.3		.3	.1								.7	6.8
SSE	.4	.1	.1	.7	.3							1.7	10.8
S	.1		.1	.4	.1	.1						1.0	13.7
SSW			.1	.1	.4	.1						.8	17.2
SW		.1	.3	.3	.1							.8	12.2
WSW	1.1	.7			.1							1.8	4.6
W	.6	.7	.6	1.4								3.2	9.0
WNW	.1	.3	.3	.6	.1							1.4	10.5
NW		.1	.3	1.1	1.7	.4						2.9	16.0
NNW	.1	.1			.1							.4	8.7
VARBL	1.3	.3										1.5	3.1
CALM												16.9	
	23.2	24.9	20.9	10.6	2.7	.7						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 714

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4271 STATION NAME SONDRESTROM GL YEARS 75-83 MONTH APR
CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6		.4								1.0	8.9
NNE		1.1	1.3	.3								2.7	7.8
NE	3.9	6.1	2.5									12.6	4.8
ENE	4.5	7.7	4.6	1.4								17.6	5.8
E	3.5	3.4	5.3	1.5	.3							14.0	6.9
ESE	.3	.6	1.1	.4								2.4	7.6
SE	.3		.6	.4								1.3	9.0
SSE	.3		.4	.6								1.3	9.4
S	.6	.6	.3	.7								2.1	7.2
SSW	1.3	.3		.6	.1	.1						2.4	7.4
SW	1.1	.8	.1	.4	.1							2.7	6.2
WSW	4.9	1.8	1.7	.8	.1							8.7	4.8
W	2.1	1.5	1.8	.7	.3	.3						6.7	7.4
WNW			1.7	.7	.8							2.5	13.9
NW			.1	.8	.3							1.3	13.4
NNW						.1						.1	24.0
VARBL	1.7	1.3	.3									3.2	3.6
CALM												17.7	
	24.4	25.0	20.4	9.8	2.1	.6						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 716

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4231 STATION SONDRESTROM GL 75-83 APR MONTH 1200-1400 HOURS (L.S.T.)

ALL WEATHERED CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1										.1	4.2
NNE	.4	1.2	.4									2.3	5.5
NE	1.9	2.8	1.7	.6								6.9	5.5
ENE	3.3	3.7	4.3	.6								11.9	5.9
E	1.4	2.9	3.9	.7	.3							9.3	7.0
ESE	.3	.3	.7									1.2	6.3
SE	.1	.1	.3	.3	.1							1.0	10.1
SSE	.1	.1	1.4	.7	.1							2.1	10.2
S	.7	.7	.4	.8	.1	.1						2.9	9.0
SSW	.3	.1	.4	.4	.3							2.1	8.3
SW	2.5	1.4	.7	.1	.4	.1						5.2	5.9
WSW	5.3	3.5	4.7	.6	.3							14.8	5.6
W	2.3	2.3	2.8	1.4	.6	.6	.1					10.1	8.6
WNW		.4	.7	.6	.6	.3						2.5	13.3
NW				.4	.1							.6	16.0
NNW			.1	.1								.3	10.0
VARBL	1.9	1.7	.3									3.2	3.7
CALM												23.6	
	21.8	20.7	22.5	7.2	2.9	1.1	.1					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 724

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4231 SONDRESTROM GL STATION NAME 75-87 YEARS APR
MONTH 1500-1700
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1										.3	4.0
NNE		.7	.4	.4								1.5	8.1
NE	1.9	2.8	2.9	1.9	.4							10.0	7.8
ENE	4.7	4.6	1.7	.7								10.9	5.1
E	.7	2.2	2.5	.8	.1							6.4	7.6
ESE		.9	.7	.3	.3							2.1	9.4
SE		.4	.4									.8	6.3
SSE			.4	.8	.1							1.4	12.3
S	.4	.4	.7	.4	.3	.1						2.4	9.7
SSW	.5	.4		.3	.3		.1					1.7	9.8
SW	1.2	1.1	.8	.1		.1	.1					3.6	7.1
WSW	5.7	2.9	3.9	2.1		.1	.1					14.8	6.5
W	2.8	2.8	5.5	2.5	.3	.1	.4					14.4	8.5
WNW	.3	.4	.6	.7	.7	.1	.1	.1				3.7	13.9
NW			.1	.3	.3							.7	15.4
NNW	.3											.3	2.0
VARBL	2.2	1.1	.6	.1								4.0	4.3
CALM												21.9	
	21.2	20.7	21.2	11.5	2.8	.7	1.0	.1				100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 723

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2317 STATION NAME SONDRESTROM GL YEARS 75-83 MONTH APR
CLASS ALL WEATHER PERIOD 1800-2000
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.9	.8	.3							2.1	11.7
NNE	.1	1.1	1.5	2.1	.6	.1						5.6	17.8
NE	3.6	5.2	3.2	2.1	.1							14.2	6.3
ENE	4.3	5.1	3.6	.4								13.4	5.2
E	1.4	2.2	1.7	1.1								6.4	6.7
ESE	.3	.3	.3	.3	.1							1.3	8.2
SE	.1	.4	.1	.1	.1							1.0	8.9
SSE	.4	.3	.7	.6								1.9	7.5
S	.1	.1	.4	.6	.1							1.4	10.7
SSW	.4	.1		.7	.3	.3						1.8	13.2
SW	.3	.3	.3	.6			.1					1.5	9.4
WSW	1.1	1.3	1.8	1.4	.4							6.3	8.4
W	1.7	2.2	2.9	1.8	.4		.1					9.2	8.4
WNW	.1	.3	.1	.8	.7		.1					2.2	14.1
NW	.1	.1	.8	1.0	.8	.1						3.1	13.0
NNW	.1	.1	.3	1.3	.1							1.9	11.7
VARBL	1.5	.4	.4									2.4	3.8
CALM												24.7	
	15.9	19.6	19.1	15.6	4.7	.6	.4					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 718

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4271
STATION

SONDRESTROM GL

STATION NAME

75-83

YEARS

APR
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4	.8	.8								1.8	8.2
NNE	.6	1.1	1.1	2.6	.4							5.8	12.2
NE	5.5	8.3	4.7	1.1								19.7	5.3
ENE	6.4	8.6	4.7	1.0		.1						22.8	5.3
E	2.4	4.6	3.9	.6	.1							11.5	6.3
ESE	.6	.3	.8		.3							1.9	8.1
SE	.1		.1	.1								.4	8.3
SSE	.1	.4	.1	.1								.8	6.3
S	.1	.1	.4	.7	.4							1.8	11.7
SSW	.4	.1	.3	.3	.3	.1						1.5	10.7
SW	.1	.1	.4	.4	.1							1.2	9.8
WSW	.3	.3	1.4	.1	.3	.1						3.0	9.2
W	.4	.7	1.0	.4	.4	.4						3.3	10.8
WNW	.4	.3	.4	.1								1.2	6.1
NW	.2	.1	1.1	1.2	.6							3.3	11.4
NNW		.3	.6	1.5								2.4	11.8
VARBL	2.5	.3	.3									3.0	2.8
CALM												16.3	
	27.4	26.6	22.2	10.8	2.9	.8						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

722

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATD WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4271-
STATION

SONDRESTROM GL

STATION NAME

75-83

YEARS

APR
MONTH

ALL WEATHER

CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.2	.3	.3	.1							1.7	9.6
NNE	.2	1.1	1.7	.9	.2	.0						3.5	8.6
NE	4.6	6.6	3.8	1.7	.7							16.0	5.6
ENE	5.6	6.9	5.7	1.3	.1	.7	.0					18.8	5.7
E	2.1	3.2	4.3	1.1	.1							10.9	6.9
ESE	.3	.3	.6	.2	.1							1.5	8.3
SE	.3	.2	.2	.2	.0							.8	8.2
SSE	.3	.2	.4	.6	.1							1.4	9.5
S	.3	.3	.4	.5	.1	.1						1.6	9.8
SSW	.3	.1	.1	.3	.2	.1	.0					1.4	10.7
SW	.3	.5	.4	.3	.2	.1	.0					2.2	8.1
WSW	7.5	1.4	1.8	.8	.2	.7	.0					6.7	6.4
W	7.7	1.4	2.1	1.2	.3	.2	.1					6.5	8.7
WNW	.1	.2	.5	.5	.4	.1	.0	.0				1.9	12.5
NW	.3	.1	.5	1.0	.6	.1						2.4	13.8
NNW	.3	.1	.3	.4	.0	.0						.9	10.6
VARBL	1.8	.8	.2	.0								2.8	3.5
CALM												19.6	
	27.5	27.6	21.9	10.8	2.8	.7	.2	.0				100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

5752

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 4271 SONDRESTROM GL STATION NAME 75-83 YEARS MAY
MONTH
ALL WEATHER CLASS 0000-0200
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	.6	1.7								2.1	10.0
NNE	.3	1.4	2.1	1.6	.1							5.5	9.3
NE	2.8	6.4	4.2	2.1								15.6	6.5
ENE	2.4	5.2	10.9	2.3	.3							21.1	7.6
E	1.4	3.5	6.2	1.3								12.4	7.3
ESE	.3		.4									.7	6.2
SE			.1	.4								.6	12.0
SSE	.4	.1	.1	.1								.8	5.0
S	.1	.1		.1								.4	7.3
SSW	.1			.7	.3							.7	14.0
SW	.3	.4	.3	.1	.3	.3						1.7	10.6
WSW	1.4	1.3	1.6	.6								4.8	6.6
W	1.7	2.3	2.1	1.8								7.9	7.3
WNW	.5	1.1	1.1	.7	.6	.1						4.2	9.6
NW	.1	.5	.8	2.8	.3	.1						4.8	11.9
NNW		.1	.4	.3								.8	9.3
VARBL	1.9	.6	.3									2.7	3.1
CALM												13.0	
	13.9	23.8	31.9	15.6	1.8	.6						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 707

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42117
STATION

SONDRESTROM GL
STATION NAME

75-83
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4	1.3	.4								2.2	8.7
NNE	.6	1.0	1.4	.7								3.6	7.7
NE	3.6	7.9	4.9	1.4	.1							18.7	6.2
ENE	3.1	4.8	1.9	2.7	.3							21.0	7.5
E	1.7	4.3	5.2	2.7	.1							12.6	7.5
ESE	.1	.7	.1	.1								1.1	6.8
SE	.1	.1		.6								.8	10.3
SSE			.3	.1								.4	10.0
S			.3	.6								.8	13.2
SSW		.7		.1	.3	.1						.8	15.2
SW	.7	.1	.6	.1	.3							1.4	9.9
WSW	.6	1.4	1.8	1.5	.1							5.5	8.6
W	.7	1.4	3.4	1.3	.1							6.9	8.2
WNW	.7	.4	.7	.6								2.4	7.0
NW	.6	.7	1.1	1.7		.1						3.5	8.8
NNW	.1	.4	.3									.8	5.3
VARBL	1.1	1.7	.3									2.4	4.3
CALM												15.6	
	12.8	25.0	32.5	12.5	1.4	.3						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

713

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

-271 STATION 06020800
STATION NAME SONDRESTROM GL YEARS 75-83 MONTH MAY
ALL WEATHER CLASB
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.0	.2								1.8	10.8
NNE	.3	1.1	.4	.7	.1							2.7	8.2
NE	1.7	3.9	3.2	.6								9.4	6.3
ENE	2.2	5.1	6.2	2.4								15.8	7.2
E	2.8	7.1	9.5	3.9	.6	.1						24.1	7.9
ESE	.7	1.1	.4	.6	.1							2.9	6.9
SE	.1	.1	.8	.4	.3							1.8	11.0
SSE	.7	.1	.3	.3	.1							1.5	6.9
S		.3		.1	.4							.8	13.7
SSW	.4	.4	.1	.4								1.4	7.4
SW	1.3	.3	.6	.7	.3	.1						3.8	7.8
WSW	1.3	3.1	2.9	2.0								9.8	7.1
W	1.3	1.9	3.4	1.3								7.7	7.5
WNW		.3	.3	.3								.8	8.3
NW		.1	.7	.6	.1							1.5	10.9
NNW	.1		.1	.1								.4	7.0
VARBL	1.7		.1									1.8	2.5
CALM												11.8	
	15.1	25.5	30.1	15.1	2.1	.3						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 714

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4271 STATION SONDRESTROM GL 75-83 MAY
STATION NAME YEARS MONTH
ALL WEATHER
CLASS 1930-1100
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.4	.4								1.0	10.3
NNE	.1	.6	.8	.1								1.7	6.4
NE	1.7	.6	2.5	.3								4.4	7.1
ENE	1.4	4.1	4.0	1.5	.1							11.1	7.6
E	2.5	5.8	5.3	1.8	.4							15.9	7.0
ESE	1.7	1.7	1.1	.8	.1							4.1	7.4
SE	.1	.1	2.1	.8	.3							3.5	10.1
SSE	.4	.4	.6	.4	.3							2.1	8.9
S	.6	1.1		.1	.1	.1						2.1	7.0
SSW	1.8	1.1	.1	.1	.1	.3						3.7	5.9
SW	3.0	1.7	.7	.6	1.7	.3						6.2	8.3
WSW	2.5	7.5	4.0	1.8	.7	.6	.1					18.1	7.7
W	1.1	2.3	4.5	3.1	.3							11.3	8.8
WNW		.3	.3									.6	7.0
NW			.1		.1							.3	13.0
NNW	.3	.1	.1									.6	5.3
VARBL	2.1	.9	.9									3.9	3.3
CALM												10.1	
	17.7	26.6	29.1	12.1	3.7	1.3	.1					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 711

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION SONDPESTROM GL STATION NAME SONDPESTROM YEARS 1951-1952 MONTH MAY
CLASS ALL WEATHER HOURS (L.S.T.) 1000-1400
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.4	.1								.6	1.5
NNE	.1	.4	.4	.4								1.4	2.9
NE	.1	1.7	2.3	.3								3.7	7.9
ENE	.1	2.1	2.9	1.7								4.7	7.3
E	.1	2.4	3.3	1.7	.6	.3						6.8	6.8
ESE	.1	1.6	1.3	.3								3.4	6.0
SE		.7	1.1	.7								2.4	5.8
SSE	.1	.9	2.1	1.1	.1							4.4	9.7
S	.1	.6	.4	.6	.7							2.6	8.1
SSW	.1	1.1		.7		.1						2.4	5.9
SW	1.6	2.4	1.9	.9	.6	.3						7.6	7.9
WSW	2.0	7.1	7.3	4.1	1.3	.7						23.3	8.6
W	1.1	3.1	5.4	5.7	1.7		.1					15.7	9.7
WNW		.1	.4	.1	.4	.3						1.4	15.3
NW		.1	.3	.1		.1						.7	13.7
NNW													
VARBL	3.4	2.7	1.1	.1								7.2	4.3
CALM												4.3	
	12.9	27.3	30.3	17.7	4.3	1.7	.1					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 700

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 271 STATION NAME DRESTROM GL YEARS 76-83 MONTH MAY
CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.3	.9	.4	.1							1.7	10.3
NNE	.1	.6	1.2	.7	.1							2.7	9.5
NE	.4	1.3	1.0	.7	.3							4.5	8.5
ENE	.6	.9	2.6	1.4	.4							5.9	9.4
E	.7	2.9	4.6	2.6	.3	.3						11.4	8.8
ESE	.1	1.0	1.7	.7								3.6	8.3
SE	.1	.4	1.2	.3		.1						2.2	9.1
SSE		.7	1.3	.6	.1							2.7	9.2
S	.4	.6	.6	.7	.4							2.6	9.3
SSW	.4	.1	.4	.1		.3						1.4	10.5
SW	1.4	1.2	1.9	1.6	.4	.3						6.8	9.1
WSW	2.7	4.9	6.5	5.3	1.7	.3						20.8	9.7
W	1.4	2.3	7.9	6.8	1.2	.1						19.8	10.2
WNW	.1		.6	.3	.4	.6						2.0	16.2
NW			.1		.4	.3						.9	19.3
NNW													
VARBL	2.9	1.6	.7	.1								5.3	4.1
CALM												5.5	
	17.8	19.8	34.1	22.5	5.9	2.3						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 692

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4231 STATION SONDRESTROM GL STATION NAME 75-83 YEARS MAY MONTH
ALL WEATHER CLASS 1800-2000 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.0	.8	1.7							2.8	13.9
NNE		.4	2.2	2.6	.7							6.7	11.9
NE	.7	1.3	4.7	2.9	.3							9.9	9.2
ENE	1.7	1.9	4.5	2.1								9.5	8.2
E	.8	1.9	4.6	2.6	1.7	.3						11.3	9.9
ESE	.3	.8	.8	.7								2.6	8.2
SE		.1	.8	.1								1.1	8.3
SSE	.3	.3	.8	.1	.3							1.8	9.2
S	.1		.3	.4	.1							1.0	10.4
SSW	.1	.1	.3	.4		.3						1.3	12.1
SW	.4	.4	1.1	.4	.7							3.1	10.1
WSW	1.5	3.8	3.5	3.5	.8	.3						13.4	9.0
W	.7	3.5	8.8	5.4	1.1	.3						19.8	10.0
WNW	.1	.3	1.7	1.7	1.5	.1						4.7	13.4
NW			.8	1.7	1.7							3.5	14.9
NNW	.1	.3	.4	.1								1.0	7.3
VARBL	.4	.1	.3									.8	4.0
CALM												6.5	
	6.7	15.3	35.9	25.1	9.2	1.3						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 718

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

4231
STATION

SONDRESTROM GL
STATION NAME

75-83
YEARS

MAY
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3	1.4	1.1	1.3							4.2	12.7
NNE		.7	1.7	2.8	.6							5.8	11.5
NE	1.7	3.5	4.0	2.5	.3							12.9	7.9
ENE	1.8	5.3	6.7	2.4	.1							15.8	7.3
E	.7	5.2	5.2	1.3	.1							10.5	7.7
ESE	.1	.6	1.1	.3	.1							2.3	8.9
SE	.3		.3									.6	5.0
SSE	.4	.1										.4	3.3
S		.7	.1	.3								1.1	7.4
SSW	.3	.1	.4	.8	.3							2.0	11.2
SW	.3	.3	.4	.8	.1							2.0	10.4
WSW	.7	2.1	1.5	.8		.1						5.3	7.7
W	1.4	1.8	4.2	2.8	.1							10.4	8.4
WNW	.3	.7	1.7	2.4	.6							4.9	11.4
NW	.1	.6	1.4	2.1	2.7							5.8	13.7
NNW		.4	.8	1.5	.1							3.0	10.5
VARBL	1.5	.1										1.7	2.4
CALM												11.4	
	9.7	20.7	30.2	22.1	5.2	.1						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

711

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 4231 STATION NAME SONDRESTROM GL YEARS 75-83 MONTH MAY
CLASS ALL WEATHER HOURS (L.S.T.) ALL
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.2	.9	.7	.3							2.1	11.3
NNE	.2	.8	1.3	1.2	.2							3.7	9.8
NE	1.5	3.2	3.6	1.4	.1							9.8	7.2
ENE	1.7	3.6	6.1	1.9	.2							13.4	7.6
E	1.3	4.7	5.5	2.2	.4	.1						13.6	8.0
ESE	.4	.9	.9	.4	.1							2.6	7.6
SE	.1	.2	.8	.4	.1	.3						1.6	9.5
SSE	.3	.3	.7	.4	.1							1.8	8.4
S	.2	.4	.2	.4	.2	.7						1.4	9.0
SSW	.5	.4	.2	.3	.1	.1						1.7	8.9
SW	.9	.9	.9	.7	.5	.2						4.0	8.8
WSW	1.7	3.9	3.7	2.5	.6	.2	.7					12.6	8.4
W	1.2	2.3	5.7	3.4	.5	.1	.7					12.4	9.1
WNW	.2	.4	.7	.8	.4	.1						2.6	11.5
NW	.1	.3	.6	1.0	.6	.1						2.6	12.7
NNW	.1	.2	.3	.3	.7							.8	8.6
VARBL	1.9	.9	.4	.7								3.2	3.7
CALM												10.0	
	12.4	22.9	31.7	17.7	4.3	1.0	.9					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 5666

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4231
STATION

SONDRESTROM GL

STATION NAME

74-82

YEARS

JUN
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3	.3									.7	5.2
NNE	.9	3.3	1.1	.1								5.4	5.3
NE	1.5	6.7	7.8	1.7								16.3	6.8
ENE	2.5	4.9	7.4	1.8								16.6	7.2
E	.4	2.1	4.5	3.1								10.5	8.7
ESE	.4	.3	.3		.3							1.3	8.1
SE				.1								.1	12.0
SSE		.1										.1	4.0
S	.4		.4	1.1	.4	.1						2.5	12.6
SSW		.1	.1	.1								.4	9.0
SW	.6	.3	.7	.1								1.7	5.8
WSW	1.1	1.7	2.9	1.3	.1							6.4	8.2
W	.9	2.6	3.9	2.2	.1							9.8	8.2
WNW	.6	1.4	2.4	2.7	.4							6.7	9.6
NW	.3	.6	2.6	2.9	.7							7.1	10.8
NNW			.6	1.3	.3							2.1	12.6
VARBL	.8	.3	.4									1.5	4.7
CALM												10.7	
	17.9	23.3	35.4	17.2	2.4	.1						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 717

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4231 STATION NAME SONDRESTROM GL YEAR 74-82 MONTH JUN
ALL WEATHER CLASS 0300-0500
CONDITION 0000 (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	.4									1.0	6.6
NNE	1.2	2.5	1.2	.4								5.4	6.0
NE	1.9	5.3	9.6	1.0								17.8	7.1
ENE	2.5	6.2	8.7	1.9	.1							19.6	7.1
E	.4	2.5	4.7	2.5	.1							9.6	8.7
ESE	.1	.1	.1	.1	.1							.7	9.2
SE		.1		.1								.3	9.5
SSE	.4	.4	.3	.1								1.2	5.7
S	.6	.1		.3	.1							1.1	7.0
SSW	.3	.1	.1									.6	3.8
SW	.6	.4	.6	.1	.1							1.8	6.2
WSW	1.7	1.7	1.9	.4	.1	.3						5.4	7.5
W	1.5	2.4	3.5	1.4	.1							8.9	7.1
WNW	.6	1.4	2.1	1.4	.3							5.7	8.9
NW	.4	.4	1.7	1.0		.3						3.7	9.7
NNW	.1	.4	.3	.1								1.0	6.7
VARBL	1.5	.1										1.7	2.1
CALM												14.6	
	13.2	24.9	34.6	11.0	1.2	.6						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 42310 STATION NAME SONDRESTROM GL YEARS 74-82 MONTH JUN
CLASS ALL WEATHER HOURS (L.S.T.) 0600-0800
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3										.4	4.3
NNE	.8	.4	.6	.4								2.2	6.4
NE	.7	3.4	3.8	.7								8.5	7.0
ENE	2.7	5.2	8.1	2.1	.1							18.2	7.4
E	1.3	4.6	8.8	4.5	.1	.1						19.4	8.6
ESE	.6	.7	1.1	.3								2.5	6.8
SE	.1	.1	.3									.6	6.5
SSE	.4	.4	.3	.4								1.5	7.8
S	.7	.8	.1									1.7	4.2
SSW	.8	.6	.1	.1	.1							1.8	5.8
SW	2.8	2.1	1.4	.4								6.6	5.0
WSW	2.5	3.4	5.9	1.3	.1							13.1	6.9
W	.7	2.7	3.6	2.0	.1	.1						9.2	8.4
WNW		.4	.4	.7								1.5	9.5
NW		.1	.7	.4								1.3	9.2
NNW	.3		.1									.4	4.3
VARBL	1.1	.7										1.8	3.0
CALM												9.1	
	15.7	25.7	35.2	13.3	.7	.3						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 715

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4231 SONDRESTROM GL STATION NAME 74-82 YEARS JUN
MONTH 0900-1100
HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N													
NNE	.1	.4	.1	.1								.9	6.3
NE	.6	1.6	1.3	.6								4.2	6.8
ENE	1.6	4.7	5.5	1.1								12.2	6.9
E	1.1	4.6	5.2	4.6	.9							16.4	9.0
ESE	.9	.6	.6	.7								2.7	6.8
SE	.6	.1	.7	1.1	.1							2.7	9.7
SSE	.9	.7	.7	.3	.1							2.7	6.4
S	1.4	2.2	1.3	.3								5.2	5.9
SSW	1.7	.9	.6	.4		.1	.1					3.9	7.1
SW	1.9	3.6	2.0	.4	.1	.3						8.3	6.7
WSW	2.3	4.3	8.2	3.3	.4							18.5	7.9
W	.4	2.4	3.6	2.0	.9	.1						9.5	9.5
WNW	.1	.1	.4	.1								.9	7.8
NW		.1	.1	.1								.4	9.3
NNW		.1	.1									.3	7.7
VARBL	3.6	1.3	1.1									6.0	3.7
CALM												5.5	
	17.2	27.1	31.6	15.4	2.6	.6	.1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 697

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4231 STATION SONDRESTROM GL 74-82 YEARS JUN MONTH
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.1									.1	7.0
NNE	.1	.4	.7	.3								1.5	7.5
NE	.7	.7	.4	.7								2.5	7.2
ENE	1.1	1.7	4.1	1.3								8.2	7.7
E	1.1	3.5	5.9	3.5	.7							14.8	9.0
ESE	.1	1.7	.8	.8	.6							3.4	10.3
SE	.4	.7	1.4	.1								2.7	6.7
SSE	.4	1.7	.8	.3	.3							2.8	8.0
S	.7	2.1	2.5	.8	.1							6.3	7.5
SSW	1.3	1.4	1.1	.3		.3						4.4	6.7
SW	1.3	2.5	3.5	2.7	.6	.7						10.5	9.4
WSW	.8	3.8	8.7	4.9	1.8							20.1	9.8
W	.3	.3	3.9	5.1	1.7	.1						10.7	11.9
WNW			.3	.3	.1							.7	13.4
NW			.3	.6								.8	11.5
NNW	.1		.3									.4	6.7
VARBL	4.2	2.1	.3	.1								6.8	3.5
CALM												3.2	
	12.8	21.2	35.3	21.1	5.2	1.1						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 711

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 002310 ONDRESTROM GL STATION NAME 74-82 YEARS JUN
MONTHS 1500-1700
HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.3	.1								.4	10.0
NNE	.3	.6	.4	.4								1.7	7.6
NE	.6	.9	1.9	.9								4.2	8.2
ENE	.1	1.6	3.7	1.7	.4							6.9	9.3
E		2.3	5.6	4.1	1.4							13.5	10.6
ESE		.6	2.5	2.7		.1						5.9	10.7
SE	.3	.6	.1	.1	.4	.1						1.7	10.8
SSE	.7	.3	.9	.9	.1							2.5	9.4
S	.3	1.6	.7	.9	.4	.1						4.1	9.5
SSW	.9	.9		.7	.7							3.2	9.5
SW	1.7	1.4	2.3	2.7	.6	.7						8.8	9.7
WSW	.4	2.7	7.7	8.7	2.7	.4						21.3	11.1
W	.7	1.7	4.3	8.4	1.9							16.4	12.0
WNW			.1	.9	.3	.1						1.4	14.9
NW			.1	.7								.9	13.3
NNW													
VARBL	1.6	1.9	.6									4.1	4.2
CALM												3.0	
	7.2	16.4	30.7	32.6	8.4	1.7						100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 691

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 12711 STATION NAME SONDRESTROM GL YEARS 74-82 MONTH JUN
CLASS ALL WEATHER MONTHS 1800-2000
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.6	.8	.7	.1							2.4	9.7
NNE		.8	.8	1.3								3.0	9.8
NE	.3	2.3	3.2	2.3								8.0	8.6
ENE	.1	2.5	6.7	3.7								12.4	9.2
E	.6	2.7	7.5	7.9	1.3							19.8	10.4
ESE	.1	.1	.6	1.4								2.3	11.3
SE			.3	.3								.6	10.3
SSE	.1	.1	.4	.7								1.4	9.7
S	.6	.3	.1	.7	.4							2.1	9.5
SSW		.1	.1	.7	.3							1.3	13.6
SW	.3	.9	.8	1.5	.3	.3						4.1	11.3
WSW	.8	1.4	4.1	5.6	1.7	.3						13.9	11.5
W	.7	1.5	4.5	7.9	2.3	.1						17.0	11.8
WNW		.1	.4	2.5	.6	.3						3.9	13.7
NW		.3	.8	1.4	.7	.3						3.5	14.0
NNW	.3		.1	.3	.3							1.0	11.7
VARBL	1.4		.1									1.5	2.6
CALM												1.8	
	5.5	13.9	30.9	38.8	7.9	1.3						120.0	10.5

TOTAL NUMBER OF OBSERVATIONS 711

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4231 STATION SONDRESTROM GL 74-82 YEARS JUN
STATION NAME MONTH
ALL WEATHER 2100-2300
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.6	.6	1.0								2.5	6.4
NNE	.4	1.0	1.4	1.0	.4	.1						4.4	9.7
NE	.8	4.8	6.7	2.0	.3							14.6	7.9
ENE	.6	5.1	9.2	1.8	.4							17.1	8.0
E	.3	1.8	4.7	2.5	.1							8.8	9.3
ESE		.3	.4	.4								1.1	9.6
SE			.6									.6	8.5
SSE	.1		.3		.1							.6	8.8
S		.3	.1	.8								1.3	11.2
SSW	.1			.4	.1	.3						1.0	15.4
SW	.4	.6	.8	1.1	.4	.1						3.5	10.8
WSW	1.0	2.7	2.5	2.8	.3							8.6	8.9
W	1.4	1.4	3.7	5.2	1.7	.3						13.0	10.6
WNW	.3	.7	1.7	2.5	.7	.3						6.2	11.5
NW		.7	1.7	4.1	1.3	.3						8.1	12.8
NNW	.3	.4	1.4	1.3	.1							3.5	9.9
VARBL	.4	.7	.1									1.3	4.4
CALM												3.7	
	6.7	20.4	35.3	27.2	5.4	1.9						110.0	9.2

TOTAL NUMBER OF OBSERVATIONS 706

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION SONDRESTROM GL STATION NAME 74-82 YEARS JUL MONTH 300-0200
CLASS ALL WEATHER HOURS (L.S.T.)
CONDITION

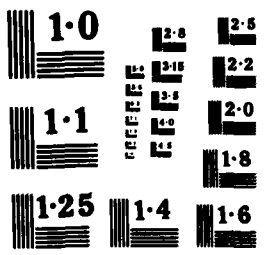
SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	1.7	5.7	2.4									9.4	5.5
NE	2.4	8.7	10.0	1.3								22.1	6.7
ENE	3.1	6.7	13.3	7.7								31.8	5.3
E	1.7	2.3	6.1	4.4	.3							14.9	8.9
ESE				.4								.7	11.2
SE				.7								.8	13.5
SSE													
S	.7			.4								.7	6.8
SSW				.1								.4	7.2
SW	.5	.1	.1	.1								.9	5.1
WSW	.5	.0	.7	.7								2.3	7.4
W		.3	1.6	1.7								4.2	10.2
WNW	.4	.7	.4	.4								1.2	8.2
NW	.1	.7	.3	1.2								2.3	9.8
NNW	.1	.7	.0	.0	.7							.2	10.4
VARBL	.7	.7	.1									1.5	3.5
CALM												4.0	
	11.0	27.5	36.7	19.8	.4							10.0	7.5

TOTAL NUMBER OF OBSERVATIONS 743

UNCLASSIFIED

SONDRESTROM AB GREENLAND REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSER. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. JUL 84
#555136ZCZC 040501Z

NL



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4231
STATION

SONDRESTROM GL
STATION NAME

74-82
YEARS

JUL
MONTH

ALL WEATHER
CLARE

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1										.1	5.0
NNE	1.4	4.9	1.8									8.1	5.2
NE	4.3	12.9	11.8	1.2								30.3	6.2
ENE	2.5	6.5	13.2	6.2								28.5	8.0
E	.8	3.1	4.4	4.4								12.8	8.7
ESE	.1	.1	.3	.6								1.1	10.4
SE	.1											.1	2.0
SSE			.3									.3	9.5
S			.1									.1	8.0
SSW	.1		.1	.1	.1							.6	10.8
SW	.1	.8	.4									1.4	5.9
WSW	.3	.6	.3									1.1	4.9
W		.6	1.9	.8	.1							3.5	9.3
WNW	.1		.7	.7								1.5	10.1
NW	.1	.1	.4	.1	.1							1.0	9.7
NNW			.4	.8								.8	11.3
VARBL	.7	.6	.3									1.5	4.2
CALM												7.2	
	17.8	30.3	36.5	14.7	.4							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

720

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4231 STATION NAME SONDRESTROM GL YEARS 74-82 MONTH JUL
CLASS ALL WEATHER 0600-0800
CONDITION NOON (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1										.1	4.3
NNE	.9	2.0	.1									2.9	4.3
NE	3.7	7.3	5.1	1.2								17.4	6.0
ENE	3.3	8.8	15.9	4.4	.1							32.6	7.6
E	1.5	4.3	11.1	5.7	.1							22.7	8.6
ESE		.1	.1	.3								.9	7.4
SE	.1		.1	.1	.1	.1						.7	13.4
SSE	.1	.3	.3	.3								.9	8.4
S	.3	.1	.3									.7	5.4
SSW	.1	.3	.8									1.2	7.6
SW	.8	.4	.7	.1	.1							2.1	6.7
WSW	1.2	.8	1.7	.3								4.0	6.0
W	.3	.8	1.7	.9								3.7	8.2
WNW			.4	.4								.8	10.2
NW			.5	.4								.9	10.7
NNW			.3									.3	9.5
VARBL	1.1	.3	.1	.1								1.6	3.8
CALM												6.4	
	13.4	26.0	39.3	14.3	.5	.1						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 749

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 42310 STATION NAME SONDRESTROM GL YEARS 74-82 DATE JUL
CLASS ALL WEATHER MONTHS 0900-1100
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.1									.3	7.0
NNE	.3	.7	.1									1.1	5.5
NE	1.4	2.5	1.9	.7	.1							6.6	6.5
ENE	1.4	7.8	10.4	4.7	.1							24.4	8.0
E	1.4	5.2	11.1	8.1	.4							26.1	9.2
ESE	.5	.7	1.2	.3								2.7	6.9
SE	.3	.1	.4	.4		.1						1.4	10.1
SSE	.5	.3	.5		.1							1.5	6.5
S	1.6	.8	.3	.1		.1						3.0	4.5
SSW	.8	1.4	.3	.1								2.2	5.0
SW	1.8	3.1	1.7	.4								6.3	5.2
WSW	.7	1.8	5.1	1.4								8.9	8.0
W	.5	1.1	2.3	2.3	.1							6.4	9.2
WNW		.1	.3	.1								.5	9.8
NW	.1	.1	.3	.1								.7	8.6
NNW		.1										.1	6.0
VARBL	1.9	1.9										2.9	3.3
CALM												4.9	
	13.3	26.5	35.3	18.7	1.0	.3						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 731

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4231 STATION SONDRESTROM GL 74-82 YEARS III MONTHS 1200-1400
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.4									.4	8.0
NNE		.3	.3	.3								.8	9.0
NE	.8	1.3	1.3	.8	.1							4.3	7.8
ENE	1.4	3.6	6.1	4.2	.8							16.1	8.8
E	1.1	3.6	9.5	9.3	.7							24.1	10.0
ESE	.4	1.6	2.2	1.2	.1							5.5	8.5
SE	.7	.7	.3	.5	.1							2.2	7.2
SSE	.4	1.4	.1	.4	.1							2.5	6.6
S	.7	1.1	.7	.3	.1							2.8	6.2
SSW	.9	1.7	.5									3.2	6.8
SW	1.6	5.1	2.4	.8								9.9	6.0
WSW	1.1	2.6	5.7	3.3	.1							12.1	8.6
W	.1	1.2	2.5	3.8	1.1							8.7	11.2
WNW			.1	.1								.3	9.5
NW			.3	.1								.4	10.0
NNW				.1								.1	12.0
VARBL	1.1	1.2	1.3	.1								3.7	5.6
CALM												3.0	
	10.1	25.3	32.9	25.4	3.3							110.0	8.3

TOTAL NUMBER OF OBSERVATIONS 760

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4231 SONDRESTROM GL 74-82 JUL
STATION NAME YEAR MONTH
ALL WEATHER
CLASS
CONDITION
1500-1700
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.4									.5	8.3
NNE			.5	.3								.8	10.5
NE	.4	1.0	1.6	.4	.3							3.7	8.9
ENE	.5	1.8	5.6	5.2	1.0							14.0	10.2
E	1.0	3.0	12.5	12.5	1.1							30.1	10.3
ESE		.5	2.3	2.7								5.6	10.7
SE		.4	.5	.5	.5	.1						2.2	12.3
SSE	.1	.5	.3	.3								1.2	7.6
S	1.0	1.0	.7	.8								3.4	7.3
SSW	1.1	1.4		.1	.1							2.7	5.1
SW	1.2	1.9	1.8	.1								5.0	6.0
WSW	1.4	3.3	4.8	3.0	.8	.1						13.3	9.0
W	.3	.5	2.9	4.6	1.1	.3						9.7	12.0
WNW	.1		.1	.3	.1							.7	10.6
NW		.1	.1	.3	.1	.4						1.1	16.5
NNW	.3	.1	.1	.1		.1						.8	9.3
VARBL	1.6	.5	.4	.3	.1							3.0	5.5
CALM												2.2	
	9.0	16.2	34.7	31.6	5.3	1.1						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 735

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4231- SONORESTROM GL 74-82 III
STATION NAME YEARS MONTHS
ALL WEATHER
CLASS
CONDITION
1800-2000
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.7	.3	.4							1.7	14.1
NNE	.1	.1	1.0	.8								1.6	9.8
NE	.7	1.4	5.2	3.4	.1	.1						10.9	9.5
ENE	.4	2.6	11.4	10.9	.3							25.5	10.2
E	.7	2.7	9.4	9.5	.3							21.9	10.1
ESE	.1	.1	1.5	1.1								2.9	10.1
SE	.1	.4	.3	.3	1.7							2.0	12.6
SSE		.1	.3	.3								.7	8.4
S	.1											.1	2.0
SSW	.4	1.7	.3									1.6	4.6
SW	.3	1.6	1.7	.5	.3							3.7	8.0
WSW	1.2	2.1	2.2	3.1	1.0	.1						9.6	9.6
W	.4	1.5	3.3	2.9	.3							8.6	9.7
WWW		.4	.3	1.7	.3							1.9	11.1
NW		.4	.8	.5	1.1							2.9	12.9
NNW				.4	.3							.7	14.8
VARBL	1.4	.5	.1									2.0	3.0
CALM												2.4	
	6.7	14.3	37.1	34.5	5.4	.3						100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 736

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4231 STATION NAME SONDRESTROM GL YEARS 74-82 MONTH JUL
ALL WEATHER
CLASS
CONDITION

2100-2300
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.5	.3	.5								1.3	9.7
NNE	1.2	2.0	2.8	.5								6.5	6.7
NE	2.9	6.7	8.4	2.8	.1							21.0	7.1
ENE	1.5	4.7	14.3	9.6	.3							29.6	9.5
E	.8	1.7	6.9	6.3	.1							15.9	9.9
ESE	.1	.4	.3	.3	.1							1.2	9.0
SE	.1		.1	.1								.4	8.7
SSE		.1										.1	4.0
S				.4								.4	15.0
SSW			.1		.4							.5	17.5
SW	.4	.1	.3	.3		.1						1.2	8.7
WSW	.1	.2	1.7	1.2								3.6	9.5
W	.5	.9	2.4	1.5								5.3	8.6
WNW	.1	.3	1.3	1.1	.1							2.9	10.6
NW		.1	.9	1.3	.4							2.8	12.6
NNW		.3	.5	1.3	.1							2.3	11.5
VARBL	.9	.8	.3									2.0	4.3
CALM												2.8	
	8.8	18.6	40.7	27.2	1.7	.1						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 749

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 02310 SONDRESTROM GL 79-82 III
STATION NAME YEARS MONTHS
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2	.2	.1	.1							.5	9.9
NNE	.6	1.9	1.1	.2								3.9	6.0
NE	2.1	5.1	5.6	1.5	.1	.7						14.5	6.9
ENE	1.8	5.2	11.3	6.6	.3							25.2	8.7
E	1.1	3.2	8.9	7.5	.4							21.1	9.6
ESE	.7	.5	1.7	.8	.7							2.6	9.3
SE	.7	.2	.2	.3	.2	.1						1.2	10.6
SSE	.7	.4	.2	.2	.7							.9	7.2
S	.5	.4	.3	.3	.7	.7						1.4	6.5
SSW	.4	.7	.3	.1	.1							1.6	6.0
SW	.8	1.7	.9	.3	.1	.7						3.8	6.2
WSW	.9	1.6	2.7	1.6	.2	.7						7.0	8.5
W	.3	.9	2.3	2.3	.4	.7						6.3	10.1
WNW	.1	.1	.5	.5	.1							1.3	10.1
NW	.1	.2	.5	.5	.2	.1						1.5	11.8
NNW	.1	.1	.3	.4	.1	.7						.9	11.1
VARBL	1.2	.7	.3	.1	.7							2.3	9.3
CALM												4.2	
	17.3	23.1	36.7	23.3	2.3	.2						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 5923

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42310 STATION SONDRESTROM GL 74-82 YEARS AUG MONTH
STATION NAME YEARS MONTH
ALL WEATHER CLASS 0000-0200 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.5	.5	.1	.1							1.5	8.0
NNE	2.0	4.1	2.7	.5								9.3	5.8
NE	5.7	8.9	8.8	1.9								25.3	6.1
ENE	1.2	8.6	8.4	5.3		.1						23.7	7.9
E	1.2	4.7	4.8	6.9	.1							17.0	9.1
ESE			.1	.1								.3	10.0
SE		.4		.1								.5	7.3
SSE			.1									.1	8.0
S	.1			.1								.3	8.0
SSW		.1	.1		.1							.4	10.7
SW	.1	.3	.1		.1							.7	7.4
WSW	.8	.7	.3	.7	.3	.1						2.8	8.9
W	.3	.9	1.9	1.7	.1							4.9	9.8
WNW		.1	1.2	.4								1.7	10.0
NW		.1	1.2	.7	.4	.1						2.7	12.5
NNW		.4	.4	.5	.1							1.5	10.1
VARBL	.7	.7	.1									1.5	3.5
CALM												6.0	
	12.2	30.1	30.7	19.1	1.5	.4						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 752

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0231 SONDRESTROM GL 74-82 AUG
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CORDBITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.1	.1	.4								1.7	7.6
NNE	1.3	4.5	2.2	.4								9.2	5.5
NE	4.9	10.6	9.2	2.7								26.6	6.3
ENE	2.9	7.9	11.9	4.7	.1							27.6	7.7
E	1.8	2.5	5.8	5.7								15.2	8.5
ESE		.3	.1	.3								.7	9.2
SE				.1								.1	12.0
SSE		.3										.3	4.0
S		.3		.4								.7	9.8
SSW	.1	.1	.1									.4	5.3
SW		.7	.3									.9	5.4
WSW	.3	.7	.9	.5	.1							2.5	8.5
W	.5	.9	1.2	.5	.1							3.3	7.9
WNW	.1	.1	.7	.1	.4							1.5	10.9
NW	.1	.1	.3	.8	.1							1.5	11.1
NNW	.1	.1	.4		.1							.8	8.7
VARBL	.7	.5	.1									1.3	3.6
CALM												6.1	
	13.6	30.6	33.4	15.3	1.1							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 758

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42317 STATION SONDRESTROM GL 74-82 YEARS AUG
STATION NAME MONTH
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.4	.3								.8	9.5
NNE	1.7	3.6	1.5	.3								7.1	5.3
NE	4.8	7.2	7.2	1.1								20.3	6.0
ENE	3.5	8.7	11.8	4.3	.4							28.6	7.5
E	2.4	4.3	10.3	5.0	.1							22.1	8.3
ESE		.1	.5	.1								.8	8.5
SE		.3	.1									.4	6.3
SSE		.4	.1									.5	6.8
S	.1	.1	.1	.1								.5	7.5
SSW	.3	.1		.4								.8	8.2
SW	.7	.8	.3	.1								1.9	5.0
WSW	.4	1.3	1.2									2.9	6.0
W	.4	.4	1.3	.9								3.5	8.2
WNW		.1	.4	.3								.8	9.7
NW		.1	.3									.4	8.0
NNW			.1	.1								.3	9.5
VARBL		.4										.4	5.0
CALM												7.8	
	14.3	28.6	35.7	13.0	.5							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 747

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1231 SONPRESTROM GL STATION NAME 70-82 YEARS AUG MONTH 0900-1100 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.1	.3	.1								.7	8.2
NNE		1.7	.7	.1								1.8	7.2
NE	1.2	2.5	2.6	1.6								7.6	7.0
ENE	2.7	5.6	7.4	2.7	.1							17.9	7.5
E	1.7	5.2	14.1	5.5	.3							28.9	8.2
ESE	.7	.5	1.8	.3								2.9	8.0
SE	.1	.4	.3	.5								1.4	9.0
SSE	.4	.3		.3	.1							1.1	7.1
S	1.1	.1	.3									1.5	3.7
SSW	1.5	1.2	.1	.1								3.0	4.1
SW	2.6	2.3	1.6	.5	.3							7.4	5.9
WSW	2.7	2.5	4.7	1.1								9.5	6.9
W	.5	1.1	1.1	1.1								3.8	8.0
WNW		.1		.3	.1							.5	13.5
NW				.3								.3	13.0
NNW												.1	5.0
VARBL	1.5	.5	.1									2.2	3.1
CALM												9.4	
	14.5	26.6	34.2	14.3	1.0							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 733

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 42310 STATION NAME SONDRESTROM GL YEARS 74-82 MONTH AUG
CLASS ALL WEATHER
CONDITION 1200-1400
GDD (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.1	.1								.4	9.3
NNE	.1	.1	.1									.4	5.7
NE	.4	.8	.8	1.1								3.1	8.4
ENE	.7	2.8	4.6	1.7	.1	.1	.1					10.2	8.4
E	.9	6.2	9.8	6.8	.3	.1						24.0	9.1
ESE	.3	.9	3.2	.4								4.8	8.2
SE	.5	.8	.8	.8								2.9	7.4
SSE	.3	.7	.7	.1								2.3	5.5
S	2.4	1.2	.5	.3								4.4	4.3
SSW	1.9	1.5	.4	.4	.1							4.3	5.6
SW	2.8	5.4	2.4	.7	.1							11.4	5.6
WSW	.8	3.1	5.4	2.7	.1							11.7	8.4
W	.5	.7	4.2	3.2	.3							8.7	10.2
WNW	.1			.2								.3	9.0
NW													
NNW		.1										.1	4.0
VARBL	2.3	2.9	.5									5.3	4.1
CALM												5.2	
	14.5	27.3	33.0	19.5	1.1	.3	.1					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 746

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4231 STATION NAME SONDRESTROM GL YEARS 74-82 MONTH AUG
CLASS ALL WEATHER
CONDITION 1500-1700
0000 (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.3	.3	.1								.7	8.2
NNE			.3	.7								1.3	12.1
NE	.7	1.4	2.3	.1								4.5	7.1
ENE	.3	2.7	6.5	3.5	.7	.4						14.2	9.7
E	.5	3.4	11.7	6.8	.7							23.2	9.8
ESE		.7	3.3	2.7	.5							6.5	10.9
SE	.1	.4	.7	.7								1.9	9.2
SSE	.4	.3	.4	.3								1.4	7.1
S	.7	.4	.4	.1								1.6	6.0
SSW	1.2	1.7	.3	.5								3.0	6.0
SW	1.8	2.7	3.3	1.7	.1	.1						9.0	7.0
WSW	.5	2.7	5.6	3.7	.3							12.8	9.1
W	.4	1.4	5.7	3.8	.8	.1						11.6	10.6
WNW	.3		.1	.4	.8							1.6	14.3
NW		.1		.1	.1							.4	13.0
NNW		.1		.1								.3	7.5
VARBL	1.1	1.7	.8									2.9	4.8
CALM												3.4	
	2.7	18.6	41.1	24.1	4.1	.7						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 733

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 42310 SONCRESTROM GL STATION NAME 74-82 YEARS AUG MONTH 1800-2000 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.7	.3	.8								1.9	8.9
NNE	.1	.3	2.4	.4	.1							3.3	9.1
NE	1.5	3.5	4.9	2.8	.1	.1						12.9	8.2
ENE	1.5	4.8	12.4	4.7	.3	.1						23.7	8.7
E	.7	1.7	7.6	7.2	.3							17.4	10.1
ESE	.3		1.3	.4								2.0	8.9
SE		.1	.4	.5	.3							1.3	11.8
SSE	.1	.1	.1	.3								.7	8.2
S	.1	.1										.3	3.5
SSW	.4	.4		.3								1.1	6.1
SW	.5	1.3	1.1	.4	.3	.1						3.7	8.4
WSW	.9	2.1	2.9	.9								6.9	7.3
W	1.2	1.1	3.3	4.8	.5	.1						11.0	10.1
WNW	.1	.3	.8	.9	.5							2.7	12.2
NW				.9	.4	.1						1.5	16.2
NNW		.1	.5	.5								1.2	10.3
VARBL	1.1	.3	.1									1.7	2.8
CALM												6.9	
	8.9	16.8	38.2	25.8	2.8	.7						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 752

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 02310 STATION NAME SONDRESTROM GL YEARS 79-82 MONTH AUG
CLASS ALL WEATHER MONTHS 2100-2300
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.8	.8	.5								2.3	7.7
NNE	1.6	3.4	1.9	.4								7.3	5.7
NE	3.6	7.0	8.7	2.2								21.5	6.8
ENE	1.3	6.6	12.7	4.7	.3	.3						24.5	8.3
E	.9	2.8	9.7	5.7	.1							17.9	9.0
ESE	.1	.1	.5	.1								.9	8.3
SE		.1	.1									.3	6.5
SSE													
S						.3						.3	23.0
SSW		.1		.1								.3	10.5
SW	.7	.5	.1	.3								1.6	5.5
WSW	.3	.5	.9	.8	.1							2.7	9.6
W	.4	.7	2.8	1.6	.1							5.7	9.5
WNW	.1	.1	.8	1.9	.1							3.1	11.6
NW		.4	.5	1.5	.3							2.7	12.0
NNW			.3	.7								.9	11.4
VARBL	.9	.5	.1									1.6	3.3
CALM												6.5	
	12.2	23.8	38.8	19.1	1.1	.5						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 793

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 42310 SONDRESTROM GL 74-82 AUG
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.5	.4	.3	.0							1.2	8.2
NNE	.9	2.1	1.5	.4	.0							4.9	6.1
NE	2.9	5.2	5.6	1.6	.0	.0						15.3	6.6
ENE	1.7	6.4	9.4	3.9	.3	.1	.0					21.3	8.1
E	1.2	4.1	9.1	6.0	.2	.0						20.7	9.0
ESE	.1	.3	1.4	.5	.1							2.3	9.1
SE	.1	.3	.3	.4	.0							1.1	8.7
SSE	.2	.3	.2	.1	.0							.8	6.5
S	.6	.3	.2	.1		.0						1.2	5.7
SSW	.7	.6	.1	.2	.0							1.6	5.8
SW	1.1	1.7	1.1	.4	.1	.0						4.5	6.3
WSW	.8	1.7	2.6	1.3	.1	.0						6.4	8.1
W	.5	.9	2.6	2.2	.3	.0						6.6	9.7
WNW	.1	.1	.5	.6	.3							1.5	11.7
NW	.0	.1	.3	.5	.2	.0						1.2	12.5
NNW	.0	.1	.2	.3	.0							.7	9.7
VARBL	1.1	.9	.3									2.2	3.8
CALM												6.4	
	12.0	25.3	35.6	18.7	1.6	.3	.0					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 5964

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

142312
STATION

SONDRESTROM GL
STATION NAME

74-82
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.7	.6	.6								2.7	8.1
NNE	1.1	2.5	2.0	.6								6.1	6.3
NE	3.9	9.5	9.8	2.0								25.1	6.7
ENE	2.8	7.1	15.1	5.3	.1	.1						30.5	8.0
E	.3	3.2	7.7	3.9	.4	.1						14.9	9.4
ESE			.1		.1							.3	15.5
SE	.3	.1	.1									.6	4.5
SSE			.1	.1								.3	11.0
S			.1	.3		.1						.6	13.8
SSW		.3										.3	5.5
SW	.1	.1	.4	.1								.8	7.2
WSW	.4	.4	.6	.1								1.5	6.6
W	.4	1.3	1.7	.6	.1							4.0	7.7
WNW			.4	.3								.7	11.4
NW	.1	.1	.6	.4								1.3	8.7
NNW	.3	.3	.4	.1								1.1	6.4
VARBL	1.1	.7	.1									2.0	3.6
CALM												7.9	
	11.0	26.4	39.1	14.4	.8	.4						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 717

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

42310 SONDRESTROM GL 74-82 SEP
STATION NAME YEAR MONTH
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.4	.3	.3								1.4	6.6
NNE	1.4	2.5	1.6	.1								5.6	5.4
NE	3.7	9.9	11.1	1.9								26.0	6.8
ENE	2.7	9.1	15.9	5.4								33.1	7.7
E	.8	1.6	5.2	3.6	.1							11.4	9.3
ESE		.1	.1	.7								1.0	11.6
SE		.1										.1	4.0
SSE				.1								.1	15.0
S			.1	.1	.5							.8	16.8
SSW				.1	.1							.3	15.0
SW		.3	.4	.1								.8	7.3
WSW	.4	.5	.4	.1								1.5	5.5
W	.5	1.1	.7	.3								2.6	5.8
WNW	.1	.3	1.7									1.4	7.1
NW	.1	.5	.4	.1	.1							1.4	8.0
NNW	.3	.1										.4	4.0
VARBL	.5	.3	.1									1.0	3.9
CALM												11.1	
	17.4	26.9	37.5	13.0	1.0							100.0	.7

TOTAL NUMBER OF OBSERVATIONS 728

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42310 STATION SONDRESTROM GL STATION NAME 74-82 YEARS SEP MONTHS
ALL WEATHER CLAS 0600-0800 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4	.1	.1								.8	6.2
NNE	1.2	3.3	.7									5.2	4.8
NE	5.3	12.4	7.7	1.5								26.9	5.9
ENE	2.5	9.8	15.4	3.8	.1							31.7	7.5
E	.7	2.7	7.2	3.6	.3							14.5	9.0
ESE	.1	.3	.1									.5	5.0
SE		.1	.1									.3	6.5
SSE				.3								.3	12.0
S			.1		.1							.3	13.5
SSW		.3	.1									.4	6.3
SW		.4	.4	.1		.3	.1					1.4	13.5
WSW	.7	1.8	.7	.1								3.3	5.8
W	1.1	.5	1.1									2.7	5.3
WNW		.4	.4	.1								1.0	7.7
NW		.1		.3								.4	10.0
NNW	.1											.1	2.0
VARBL	.7											.7	2.2
CALM												9.6	
	12.6	32.7	34.3	10.0	.5	.3	.1					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 732

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42317
STATION

SONDRESTROM GL
STATION NAME

74-82
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1		.3									.4	6.0
NNE	.3	1.4	.6	.1								2.4	6.3
NE	2.7	5.0	2.7	1.3								11.6	6.1
ENE	4.1	8.8	17.2	1.3	.1							24.5	6.5
E	1.1	6.7	13.0	4.5								24.7	8.3
ESE	.3	.7	.8									1.8	6.0
SE	.4		.3	.3								1.0	7.1
SSE	.3	.3	.3	.1								1.0	7.0
S	.1	.3	.3	.3	.1							1.1	9.3
SSW	.6	.6										1.1	3.3
SW	1.5	1.1	1.3	.8	.1	.1						5.0	7.2
WSW	1.1	.7	2.7	.6								4.9	7.3
W	.7	1.4	1.7	.8								3.9	7.3
WNW		.1		.1	.1							.4	11.7
NW		.1		.1		.1						.4	12.7
NNW			.1	.3								.4	12.3
VARBL	.7	1.3	.1									2.1	4.3
CALM												13.0	
	13.9	27.9	33.7	10.7	.6	.3						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 713

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 042310 STATION NAME SONDERSTROM GL YEARS 74-82 MONTH SEP
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.4								.3	13.5
NNE	.1	.1	.3	.3								.9	8.3
NE	.7	1.5	2.0	1.1								6.3	7.9
ENE	.8	5.6	4.9	2.2								13.6	7.5
E	3.2	6.2	8.7	4.8								22.8	7.6
ESE		1.4	2.7	1.5	.1							5.0	9.5
SE		.1	.4	.6								1.1	10.6
SSE	.1	.1	.7	.4	.3							1.7	11.0
S	.9	1.0	.1	.1								2.1	4.6
SSW	1.7	.7		.3								2.7	4.0
SW	3.5	3.2	1.8	1.1								9.7	5.6
WSW	2.7	2.8	2.9	1.4								9.8	6.5
W	.1	1.4	2.8	1.1	.1							5.6	8.5
WNW	.1		.1									.3	4.5
NW		.1		.1	.1	.3						.7	16.6
NNW	.1	.1										.3	4.0
VARBL	2.8	1.3	.1									4.2	3.3
CALM												13.1	
	16.9	25.7	27.8	15.4	.7	.3						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 715

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 42310 SONDRESTROM GL 74-82 SEP
STATION NAME YEARS MONTHS
ALL WEATHER
CLASS
CONDITION
1500-1700
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1		.1								.4	8.0
NNE	.3	.6	1.3	.4								2.5	8.0
NE	.1	1.6	3.0	1.6								6.2	8.7
ENE	1.7	4.7	5.4	1.6	.1							12.7	7.3
E	.7	6.8	8.6	4.1								20.2	8.1
ESE	.3	2.3	2.4	1.3	.1							6.4	8.2
SE	.1	.1	1.7	.3	.1							1.7	9.3
SSE	.1			.1								.3	8.0
S	.6	.3	.4		.1	.1						1.6	8.0
SSW	1.0	.6	.4	.6								2.5	6.6
SW	3.5	3.7	1.7	.6	.3	.1						9.2	5.9
WSW	3.3	4.1	2.5	2.7	.1							12.0	6.5
W	.4	2.4	4.5	1.6	.7							9.6	8.8
WNW		.1			.3	.1						.6	16.5
NW				.1								.1	15.0
NNW					.1							.1	18.0
VARBL	1.8	.6	.3									2.7	3.3
CALM												11.0	
	13.8	27.2	31.5	14.3	2.1	.4						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 707

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 42310 STATION NAME SONDRESTROM GL YEARS 74-82 MONTH SEP
CLASS ALL WEATHER 1800-2000
CONDITION MOON (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.3	.7	1.5	.6	.3							3.3	9.1
NNE	.7	2.2	1.0	.4	.1							4.4	6.8
NE	2.1	5.5	5.2	.8								13.6	6.3
ENE	2.8	6.3	12.7	2.1	.3							23.4	7.3
E	1.2	3.9	7.4	3.6	.3							16.4	8.4
ESE	.1		.7	.4								1.2	9.4
SE	.1	.1	.4	.7	.3							1.7	11.3
SSE													
S		.1	.1									.3	6.5
SSW		.7		.1	.1	.3						.8	15.3
SW	.4	1.7	1.0	.3								2.6	6.8
WSW	1.2	1.9	2.1	.8								6.1	6.9
W	.7	1.7	2.8	1.2								6.3	7.7
WNW	.3	.1	.1	.1	.4							1.0	10.4
NW		.6	.4	.8		.1						1.9	10.5
NNW		.4	.1	.4	.1							1.1	10.4
VARIABLE	.7	.1	.1									1.0	3.1
CALM												14.9	
	17.6	24.9	35.0	12.4	1.8	.4						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 726

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4231 SONDRESTROM GL STATION NAME 74-82 YEARS SEP
MONTH 2100-2300
HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KMTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.9	.1	.6	.1							1.9	8.6
NNE	1.5	2.2	1.0	.6								5.2	5.5
NE	3.0	9.9	8.7	1.0	.4	.1						23.2	6.6
ENE	3.5	8.4	13.3	3.7								28.2	7.3
E	.4	2.1	6.4	3.7	.3							12.8	9.4
ESE			.8	.1								1.0	10.0
SE			.4	.3								.7	11.6
SSE				.1								.1	16.0
S		.1	.1	.8								1.1	11.8
SSW	.1	.1		.1								.4	6.3
SW	.1	.3	.3	.4		.1						1.2	9.8
WSW	.3	1.1	1.1	.3	.1							2.9	7.8
W	.3	.8	1.2	.4	.1							2.9	8.5
WNW		.1	.4	.4	.3							1.2	12.1
NW	.1	.3	.7	1.7	.1							2.2	10.6
NNW	.1	.1	.4	.3								1.0	8.9
VARBL	.3	1.7	.1									1.9	4.1
CALM												11.9	
	10.6	27.5	35.1	13.1	1.5	.3						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 724

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION
"271

STATION NAME
SONDRESTROM GL

YEARS
74-82

MONTH
SEP

CLASS
ALL WEATHER

HOURLS (L.S.T.)
ALL

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.4	.4	.3	.1							1.3	8.2
NNE	.8	1.9	1.7	.3	.7							4.1	6.3
NE	2.6	7.7	6.4	1.4	.1	.1						17.4	6.6
ENE	2.5	7.5	11.6	3.1	.1	.7						24.8	7.4
E	1.1	4.7	7.9	4.7	.7	.7						17.2	8.6
ESE	.1	.6	.9	.5	.1							2.1	8.7
SE	.1	.1	.3	.3	.1							.9	9.3
SSE	.1	.1	.1	.2	.7							.5	10.1
S	.7	.2	.2	.2	.1	.1						1.0	9.3
SSW	.4	.3	.1	.2	.7	.7						1.1	6.4
SW	1.1	1.2	.9	.5	.1	.1	.7					3.8	6.7
WSW	1.2	1.7	1.6	.7	.7							5.2	6.7
W	.5	1.3	2.7	.7	.1							4.7	7.8
WNW	.1	.2	.3	.1	.1	.7						.8	10.1
NW	.1	.2	.3	.4	.1	.1						1.1	10.5
NNW	.1	.1	.1	.1	.7							.6	8.3
VARBL	1.1	.6	.1									1.9	3.5
CALM												11.6	
	12.4	27.4	34.3	12.9	1.1	.3	.0					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 5762

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4231
STATION

SONDRESTROM GL

STATION NAME

74-82

YEARS

OCT

MONTH

ALL WEATHER

CLASS

0000-0200

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.5		.1	.1						.9	11.6
NNE	1.5	3.0	3.9	.1								8.5	6.2
NE	8.6	12.4	10.0	1.2	.1							32.4	5.7
ENE	3.2	17.9	13.2	1.6								29.7	6.6
E	.9	1.3	5.7	3.6	.1							11.1	9.3
ESE		.1	.5	.1	.1							.9	10.6
SE		.1	.4	.3	.1							.9	10.7
SSE				.1								.3	13.5
S		.1										.3	5.0
SSW			.1	.1								.3	13.0
SW		.4	.1	.4	.1							1.1	10.1
WSW		.3	.3	.4	.4							1.9	10.3
W	.3	.3	.8	.8	.1							2.3	9.4
WNW		.3	.4	.3								.9	9.4
NW		.1		.1								.3	8.5
NNW	.3	.1										.4	3.3
VARBL	.8	.3	.4									1.5	4.1
CALM												7.7	
	15.7	30.6	35.8	9.4	1.3	.1						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

741

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4231
STATION

SONDRESTROM GL

STATION NAME

74-82

YEARS

OCT

MONTH

ALL WEATHER

CLASS

0300-0500

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.8	.4	.1								1.5	6.6
NNE	1.0	3.3	3.2	.3								8.4	6.4
NE	5.7	11.4	9.8	1.4								28.3	5.9
ENE	3.9	11.3	16.2	2.4	.1							34.7	7.0
E	.7	1.1	6.9	2.4	.7							11.4	9.5
ESE				.1								.1	11.0
SE	.1		.1	.1	.1	.1	.1					.8	16.7
SSE			.1	.3								.4	11.3
S		.1										.1	5.0
SSW		.1		.1								.3	8.5
SW		.7	.1	.3	.1							.8	10.8
WSW	.4	.5	.5	.5	.1							2.2	8.3
W		.7	.7	.4		.1						1.9	9.3
WNW		.5	.5	.4	.1							1.6	9.3
NW			.1	.1								.3	13.0
NNW	.1	.1	.1	.3								.7	8.4
VARBL	.7	.3	.1									1.1	3.3
CALM												6.1	
	12.4	30.6	39.8	9.4	1.4	.3	.1					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

736

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42317
STATION

SONDRESTROM GL
STATION NAME

74-82
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4	.7	.1								1.3	7.4
NNE	.9	3.6	4.7	.1								8.7	6.3
NE	5.4	10.7	11.0	.9								28.0	6.1
ENE	3.6	12.6	16.6	3.8	.4							37.0	7.3
E	.5	1.1	5.8	1.9								9.2	8.7
ESE	.1	.1	.1									.4	6.0
SE	.1	.1	.7	.4		.1						1.5	10.5
SSE													
S			.1	.1			.1					.4	17.3
SSW		.1	.1									.3	7.0
SW	.1		.3	.4	.1							.9	11.1
WSW	.7	.5	.4	.3								1.5	7.1
W	.3	.7	.8	.3	.1							2.1	8.1
WNW		.1	.1	.3								.5	10.3
NW			.1	.3								.4	11.3
NNW		.1										.1	6.0
VARBL	.4	.3	.1									.8	4.0
CALM												6.7	
	11.9	30.6	41.0	8.8	.7	.1	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 796

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4231
STATION

SONDRESTROM GL
STATION NAME

74-82
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4	.1		.1	.3						.9	11.9
NNE	.7	2.2	3.9	.1								6.9	6.6
NE	4.5	7.3	9.5	1.5								22.7	6.9
ENE	3.4	11.8	18.1	2.6								35.8	7.0
E	.4	4.5	7.7	2.3								14.9	8.2
ESE			.4	.3								.7	10.2
SE			.3			.1						.4	14.3
SSE	.1	.1				.1						.4	10.3
S	.1		.1		.1							.4	10.7
SSW	.1		.4									.5	7.0
SW	.4	.1		.1	.1							.8	8.0
WSW	.7	.5		.7								1.9	6.8
W	.4	.3	.4	.8								1.9	8.8
WNW	.1	.1	.3	.1	.1							.8	9.7
NW			.5	.1								.7	10.0
NNW	.1	.1	.1									.4	5.3
VARBL	1.2	.1	.1									1.5	3.2
CALM												8.4	
	12.3	27.6	42.0	9.6	.5	.5						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

740

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4231 STATION NAME SONDRESTROM GL YEAR 74-82 MONTH OCT
ALL WEATHER
CLAS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.3	.1		.4						1.1	14.4
NNE	1.5	2.6	3.1	.4								7.5	5.9
NE	4.2	6.3	7.1	.8								18.4	5.9
ENE	4.3	9.1	11.3	1.3	.1							26.2	6.5
E	2.1	4.4	10.7	2.7	.5							20.4	8.1
ESE	.7	.4	.3	.4	.1	.1						2.0	8.2
SE	.4	.1	.3									.8	4.3
SSE	.1		.3	.1								.5	8.0
S		.1	.3	.4	.1							1.1	10.9
SSW	.4			.1								.5	5.5
SW	.7	1.5	.5	.5	.1							3.4	6.8
WSW	.3	.8	.4	.3								1.7	6.2
W	.3	1.6	1.3	.4								3.6	6.8
WNW	.1	.3	.3	.1								.8	7.2
NW	.1	.1	.1									.4	5.3
NNW			.1	.1								.3	11.0
VARBL	.8	1.1	.1									2.0	3.9
CALM												9.3	
	16.7	28.7	36.5	7.9	1.1	.5						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 745

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 42312 STATION NAME SONDRESTROM GL YEAR 74-82 MONTH OCT
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4	.5	.5	.1							1.8	9.5
NNE	1.1	2.3	2.2	.3	.4							6.2	6.8
NE	5.7	9.8	5.4	1.1								22.0	5.5
ENE	3.8	8.7	11.7	1.4								24.9	6.6
E	.8	3.7	5.3	1.6	.4							11.1	8.1
ESE	.1	.5	1.1	.5	.4							2.7	10.2
SE			.1	.1	.1							.4	13.0
SSE	.1	.3	.3	.3	.1							1.1	10.0
S		.1	.3	.7	.1	.1						1.4	13.2
SSW	.1	.1	.1			.1						.5	10.8
SW	.4	.5	.5	.3	.3							2.0	7.7
WSW	.7	2.7	.5	.3								3.5	5.8
W	.8	1.4	1.2									3.4	5.4
WNW			.7	.5	.4							1.6	12.8
NW		.1	.3	.3								.7	9.2
NNW		.1	.3			.1						.5	10.8
VARBL	1.2	1.7	.1	.1								2.4	3.9
CALM												13.6	
	15.1	29.8	30.7	8.0	2.4	.9						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 736

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 42312 STATION NAME SONDRESTROM GL YEARS 74-82 MONTH OCT
CLASS ALL WEATHER
PERIOD 1800-2000
HOURS (L.G.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.1	.5	.4								1.4	9.2
NNE	1.1	3.6	3.4	.3	.1							8.5	6.3
NE	5.4	10.8	8.6	.5								25.4	5.7
ENE	3.4	12.4	13.4	1.5	.1							30.8	6.7
E	.7	2.3	4.7	2.4	.5							10.4	8.8
ESE	.1	.1	.1	.5	.4							1.4	12.3
SE													
SSE		.3	.1	.4	.4	.1						1.4	14.1
S	.1	.1	.1	.3	.1	.1						.9	12.7
SSW	.1			.1	.3							.5	13.5
SW	.1	.4	.1	.3	.3	.1						1.4	11.3
WSW	.5	.5	.5	.3								1.9	6.6
W	.5	.1	1.4									2.0	6.3
WNW	.3		.1	.7								1.1	9.6
NW		.3	.1	.8		.1						1.4	13.4
NNW			.7									.7	8.8
VARBL	.5	.4	.1									1.1	3.8
CALM												9.9	
	13.2	31.4	34.2	8.5	2.3	.5						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 740

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 142310 STATION NAME SONDRESTROM GL YEARS 74-82 MONTH OCT
CLASS ALL WEATHER MONTHS 2100-2300
CONDITION NUMBER (L.E.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4	.3		.1							1.0	7.3
NNE	2.3	2.7	3.6	.1								8.8	5.7
NE	7.7	11.4	7.8	.7	.1							27.6	5.6
ENE	3.6	11.9	13.7	3.8	.4							33.4	7.3
E	.4	1.4	5.9	2.7	.3							10.7	8.9
ESE		.1	.1	.3								.5	10.8
SE	.3		.1	.4	.1							1.0	10.4
SSE			.1	.1	.1							.4	14.3
S		.3	.4	.3	.1							1.1	9.9
SSW	.1	.1										.3	3.5
SW	.3	.4	1.1	.3	.1	.3						2.5	10.5
WSW	.1	.5	.3	.5								1.5	8.0
W	.1	.1	.4	.4	.1							1.2	10.0
WNW	.1		.3	.3	.1							.8	10.8
NW		.1	.3									.4	7.7
NNW		.1	.4									.5	7.8
VARBL	1.1	.7	.1									1.9	3.6
CALM												6.4	
	16.3	30.4	34.9	10.0	1.8	.3						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 731

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

42317
STATION

SONDRESTROM GL
STATION NAME

74-82
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.4								.4	18.7
NNE	1.0	1.1	.3	.1								2.5	4.3
NE	5.9	12.8	12.9	1.7								33.3	6.3
ENE	4.3	14.4	13.1	4.1	.1							36.3	7.0
E	1.5	3.7	3.9	1.0	.1							9.5	6.9
ESE	.7	.3	.1	.7			.1					1.5	11.5
SE			.1	.1								.3	10.5
SSE			.1	.1								.3	10.0
S			.4		.1							.6	11.3
SSW	.1	.1		.4		.1	.1					1.0	18.6
SW													
WSW		.3		.1	.1							.6	10.0
W		.3	1.0	.3	.1	.1						1.8	10.6
WNW		.1	.3	.1		.4						1.2	16.9
NW				.1	.3							.4	17.3
NNW							.4					.4	30.0
VARBL	.6	.1										.7	2.6
CALM												9.9	
	13.6	32.6	32.2	9.4	1.0	.7	.7					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

727

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4231 STATION NAME SONDRESTROM GL YEARS 74-82 MONTH NOV
CLASS ALL WEATHER HOURS (L.E.T.) 0300-0500
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.1									.3	7.5
NNE	1.1	.9	.4	.4								2.8	5.6
NE	7.7	12.4	12.6	1.1								33.1	6.1
ENE	4.2	14.1	15.2	3.9	.4							37.5	7.0
E	1.7	2.5	4.3	1.7	.1							9.5	7.9
ESE	.6	.1	.4	.3								1.4	6.5
SE		.1	.1	.1								.4	9.3
SSE			.1					.1				.3	20.5
S	.1	.1	.3	.1								.7	7.8
SSW		.1										.1	6.0
SW			.1									.1	8.0
WSW	.1			.3	.3							.7	12.6
W	.3	.3	.3		.6							1.4	10.6
WNW			.3	.4	.3	.4	.1					1.5	18.0
NW				.6	.1							.7	15.6
NNW			.1		.1							.3	14.0
VARB.	.4	1.0										1.4	3.9
CALM												7.9	
	14.6	31.7	34.3	9.8	1.9	.4	.1	.1				100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 725

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4231 SONDRESTROM GL STATION NAME 74-82 YEARS NOV
ALL WEATHER CLASS 0600-0800
CONDITION 0000 (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.3								.3	12.0
NNE	.9	1.4	.8									3.1	4.9
NE	5.3	11.9	13.5	2.1								33.7	6.5
ENE	3.4	13.6	13.3	4.9	.3							35.5	7.2
E	.8	3.2	5.9	1.1	.3							11.4	7.9
ESE	.1	.4	.6	.1	.4							1.7	10.1
SE		.3	.1	.3			.1					.8	11.8
SSE													
S	.4											.4	2.7
SSW		.1										.1	4.0
SW	.1	.1										.3	3.0
WSW	.3		.8	.4	.1							1.7	10.3
W	.3	.3	.4	.4	.3	.1						1.8	10.6
WNW			.1	.6								.7	12.2
NW				.4								.4	14.7
NNW			.4									.4	8.7
VARBL	.1	.6										.7	4.6
CALM												7.3	
	12.8	31.9	36.0	10.7	1.4	.1	.1					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 713

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 42310 STATION NAME SONDRESTROM GL YEARS 74-82 MONTH NOV
 ALL WEATHER
 CLAS
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.3								.3	13.5
NNE	.7	.7	.4	.1								1.9	5.6
NE	7.2	11.6	12.7	1.7	.3							32.7	6.3
ENE	5.8	11.7	15.7	1.9	.1	.3						34.9	6.7
E	1.1	3.9	5.9	1.9								12.8	7.7
ESE			.6	.1								.7	9.8
SE			.3	.1		.1						.6	13.5
SSE		.1										.1	6.0
S		.1		.3								.4	11.0
SSW													
SW				.1								.1	12.0
WSW		.4	.7	.1								1.2	7.6
W	.3	.8	.3	.6	.1	.4						2.5	10.8
WNW			.1	.4								.6	13.0
NW	.1			.1								.3	6.0
NNW			.1									.1	8.0
VARBL	.8	.1	.3									1.2	3.8
CALM												9.5	
	16.7	29.5	35.7	7.9	.6	.8						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 725

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 42310 STATION NAME SONDRESTROM GL YEARS 74-82 DGT 001
 ALL WEATHER
 CLASS
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4	.4	.7	.1	.1						1.2	9.5
NNE	1.3	2.9	3.5	.2	.1							7.9	6.2
NE	5.9	17.9	8.7	1.7	.0							25.6	5.9
ENE	3.7	11.7	14.3	2.3	.2							31.4	6.9
E	.4	2.3	6.5	2.5	.3							12.4	8.6
ESE	.1	.2	.3	.3	.1	.7						1.1	9.9
SE	.1	.1	.3	.2	.1	.1	.7					.7	11.0
SSE	.1	.1	.1	.2	.1	.7						.6	11.8
S	.1	.1	.2	.2	.1	.7	.0					.7	11.6
SSW	.1	.1	.1	.1	.7	.7						.4	8.8
SW	.7	.5	.4	.3	.2	.1						1.6	9.0
WSW	.4	.4	.4	.4	.1							2.0	7.3
W	.7	.6	.9	.4	.1	.7						2.3	7.6
WNW	.1	.2	.3	.3	.1							1.0	10.1
NW	.7	.1	.2	.2		.7						.6	10.5
NNW	.1	.1	.2	.1		.7						.5	7.9
VARBL	.8	.5	.2	.7								1.5	3.7
CALM												8.4	
	14.1	29.9	36.9	8.8	1.4	.4	.0					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 5915

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4271 SONDRESTROM GL 74-82 NOV
STATION NAME YEARS MONTHS
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1											.1	2.0
NNE	.4	1.3	.4									2.1	5.0
NE	7.8	9.5	11.7	1.8	.3	.1						31.3	6.3
ENE	5.7	13.6	13.6	2.7								35.5	6.5
E	1.1	4.8	4.8	1.5								12.2	7.2
ESE		.3	.3	.1								.7	7.6
SE		.1	.1	.1								.4	10.3
SSE				.1								.1	14.2
S		.1	.4	.3								.8	9.7
SSW			.3	.3	.3	.1						1.0	15.1
SW	.1	.1		.1								.4	7.3
WSW	.4	.7	.4	.6	.1							2.2	8.1
W	.3	1.7	.3	.3	.1	.1						2.1	8.9
WNW	.1		.1		.3							.6	12.5
NW			.1									.1	10.0
NNW				.1								.1	16.0
VARBL	.5	.1		.1								.8	9.2
CALM												9.2	
	16.3	31.6	32.6	8.3	1.3	.4						100.3	6.1

TOTAL NUMBER OF OBSERVATIONS 715

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42317
STATION

SONDRESTROM GL
STATION NAME

74-82
YEARS

NOV
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1											.1	3.0
NNE	.6	.6	.8	.3								2.3	6.2
NE	6.9	12.3	10.4	2.4								32.0	6.0
ENE	5.5	13.8	12.1	3.7	.1							35.3	6.7
E	1.1	3.8	4.2	.7								9.9	7.1
ESE		.1	.1	.1	.1	.1						.7	14.8
SE		.1				.1						.3	15.0
SSE													
S		.1	.3	.1	.1							.7	11.4
SSW			.3	.6								.8	11.3
SW		.4			.1							.4	8.3
WSW	.1	.4	.4	.1								1.1	6.5
W	.3	1.1	1.1	.3	.1							3.0	7.9
WNW			.3	.6	.3							1.1	14.0
NW			.1	.7	.1							1.0	15.1
NNW				.1								.1	12.0
VARBL	.4											.4	2.3
CALM												10.7	
	15.1	32.7	30.3	9.7	1.1	.3						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

709

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42317 STATION SONDRESTROM GL 74-82 YEAR NOV
STATION NAME DATE
ALL WEATHER
CLIM
CONDITION
1800-2000
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1											.1	2.0
NNE	.9	.6	.7	.1								2.2	5.6
NE	7.2	17.4	13.8	1.9								33.9	6.2
ENE	4.6	16.2	12.8	3.9								37.7	6.7
E	.9	3.6	3.6	.8	.1							9.1	7.3
ESE	.1		.3									.4	7.3
SE			.1									.1	10.0
SSE		.1										.1	5.0
S			.1									.1	8.0
SSW				.3	.3							.6	15.0
SW				.1		.3						.4	19.7
WSW	.1		.6		.1	.1						1.0	11.3
W	.1	.1	.9	.1	.1							1.4	8.8
WNW			.3	.7	.1							1.1	13.9
NW			.1	.1	.3	.1						.7	16.4
NNW													
VARBL	1.9		.1									2.1	2.6
CALM												9.3	
	16.2	31.1	33.9	8.2	1.4	.6						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 718

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42310 STATION SONDRESTROM GL STATION NAME 74-82 YEARS NOV MONTH
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1		.3								.4	11.7
NNE	1.7	1.4	.7	.4								3.5	5.6
NE	4.7	11.3	12.3	2.4	.3							31.0	6.7
ENE	3.0	15.8	14.7	2.0	.1							36.7	6.8
E	1.8	2.2	5.1	.6		.1						9.8	7.2
ESE	.1		.3	.3								.7	9.4
SE			.1									.1	10.0
SSE	.1	.1	.1	.1								.6	8.3
S			.3	.6								.8	12.0
SSW			.1									.1	10.0
SW				.1			.1					.3	22.0
WSW		.3										.3	4.5
W	.3	.6	1.7	.4								2.2	7.6
WNW		.3	.6		.3		.1					1.2	12.0
NW		.1		.1		.3						.6	17.8
NNW				.1								.1	12.0
VARBL	1.7	.1										1.1	2.6
CALM												10.5	
	12.9	32.4	34.6	8.3	.7	.4	.3					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 723

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4281 STATION NAME SONDRESTROM GL YEARS 74-82 MONTH NOV
CLASS ALL WEATHER MONTH (L.S.T.) ALL
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.1	.0	.0	.2								.3	10.1
NNE	.8	1.0	.6	.2								2.5	5.3
NE	6.6	11.5	12.4	1.9	.1	.7						32.6	6.3
ENE	4.6	14.1	13.6	3.5	.2	.7						36.1	6.8
E	1.2	3.4	4.7	1.2	.1	.3						10.5	7.4
ESE	.7	.2	.3	.2	.1	.7	.0					1.0	9.7
SE		.1	.1	.1		.7	.0					.4	11.6
SSE	.7	.1	.1	.1				.2				.2	10.8
S	.1	.1	.2	.2	.7							.6	9.7
SSW	.7	.1	.1	.2	.1	.0	.7					.5	13.2
SW	.7	.1	.0	.1	.0	.9	.0					.3	11.7
WSW	.1	.3	.4	.2	.1	.0						1.1	9.0
W	.2	.6	.6	.3	.2	.1						2.0	9.3
WNW	.7	.1	.3	.3	.2	.1	.0					1.7	14.4
NW	.1	.7	.1	.3	.1	.1						.5	15.2
NNW			.1	.1	.7		.1					.2	16.0
VARBL	.7	.3	.1	.7								1.1	3.3
CALM												9.3	
	14.7	31.7	33.7	8.9	1.1	.5	.2	.0				110.0	6.3

TOTAL NUMBER OF OBSERVATIONS 5755

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 42310 STATION NAME SONDRESTROM GL YEARS 74-82 MONTHS DEC
CLASS ALL WEATHER
CONDITION

0000-0200
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4			.7	.3							.9	10.6
NNE	.4	.5	.5									1.5	5.4
NE	7.3	9.6	13.6	2.8	.4	.1						33.8	6.6
ENE	7.7	9.7	12.5	3.0	.8	.1						33.1	6.8
E	.5	1.2	2.2	1.6	.1							5.7	8.6
ESE	.3	.5	.1	.3	.3	.1	.4					2.0	14.3
SE		.3		.1								.4	7.3
SSE		.1		.5	.1	.1						.9	14.7
S			.1	.3		.1	.3					.8	19.3
SSW		.3				.4						.7	16.4
SW	.1					.3	.1					.5	19.0
WSW	.1	.4	.1		.3							.9	8.9
W	.1	.5	.7	.3	.1							1.7	8.7
WNW	.1	.1		.7	.1	.1						1.2	13.6
NW				.7	.5							.8	17.3
NNW			.4	.1								.5	9.3
VARBL	.9	.3	.1									1.3	3.4
CALM												13.1	
	18.0	22.9	30.4	10.2	3.1	1.5	.8					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 743

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0271 SONDRESTROM GL DATE 7-8-82 YEAR DEC
STATION NAME ALL WEATHER 0300-0500
COUNTRY GREENLAND RODAS (L.S.V.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-56	≥56	%	MEAN WIND SPEED
N	.4	.1	.1	.1								.4	5.1
NNE	.7	2.3		.4								3.1	8.8
NE	5.3	9.8	14.5	2.9	.1							33.2	11.3
ENE	7.9	10.9	13.7	3.4	.7							36.5	11.7
E	.7	.4	1.9	1.1		.1						4.2	8.8
ESE		.1	.4	.5	.1		.1					1.3	16.0
SE			.7	.1	.1							.5	12.0
SSE		.1	.1	.7	.3	.1						1.3	16.5
S	.1			.7	.4							1.2	19.0
SSW				.1			.1					.3	22.0
SW			.7		.3		.1					.7	17.0
WSW				.1	.1							.3	16.0
W	.5	.4	.4	.3	.1							1.7	7.7
WWW	.3		.1	.1	.3							.8	11.7
NW	.1	.1	.3	.4	.5							1.5	12.8
NNW	.1	.1	.3									.5	8.8
VARBL	1.1	.4										1.5	2.3
CALM												10.6	
	17.8	24.5	32.3	11.0	3.1	.3	.4					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 796

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NO. 4231 STATION NAME SONDRESTROM GL YEARS 74-82 DFC NORTH
CLASS ALL WEATHER
CONDITION 0600-1800
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N		.1										.1	6.0
NNE	.9	.6		.4								1.8	5.4
NE	6.1	17.9	14.9	4.4	.1	.3						36.8	7.1
ENE	7.6	17.4	12.2	4.8	.3	.1						35.4	7.0
E	.4	1.1	1.5	1.6	.1	.1						4.3	9.0
ESE			.8	.4	.1							1.0	12.4
SE			.1	.3	.1							.6	14.0
SSE			.1	.4	.3							.8	15.0
S			.3	.4	.4							1.1	14.0
SSW		.1		.1	.3							.6	13.5
SW				.1	.3	.1	.1					.7	20.4
WSW	.1											.3	2.0
W	.3	.3	.4	.1								1.1	6.6
WNW	.1		.3	.1	.1							.7	9.6
NW			.8	.6	.4	.3						2.1	14.5
NNW		.1	.1	.1								.4	9.3
VARBL	.8	.6	.1	.1								1.7	4.5
CALM												10.7	
	16.5	24.2	31.4	13.6	2.6	1.0	.1					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 723

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0231 SONDRESTROM GL STATION NAME 74-82 YEARS DEC
CLASS ALL WEATHER MONTHS 0900-1100
CONDITION WINDS (L.S.V.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1										.1	5.0
NNE	1.5	.8	.4	.3								2.9	4.9
NE	6.8	12.0	12.8	2.9	.5							35.2	6.6
ENE	4.9	11.8	15.8	3.9	.3	.1						36.8	7.2
E	1.2	.5	1.9	.4	.4	.1						4.5	8.4
ESE			.4	.3	.3	.4		.1				1.5	18.6
SE				.8	.3							1.1	14.6
SSE		.1	.3		.1							.5	10.0
S			.1	.1	.4	.3						.9	17.4
SSW	.1	.1	.1	.4	.1	.1						1.1	12.4
SW	.1											.1	2.0
WSW	.1	.3	.1									.5	5.3
W		.3	.7	.4	.4	.1						1.9	12.1
WNW		.1	.1	.1	.1							.5	12.3
NW			.3	.1	.3							.7	14.0
NNW	.1	.4	.1	.1								.8	6.2
VARBL	1.1	.4	.4									1.9	4.8
CALM												9.0	
	16.0	27.0	33.6	9.9	3.2	1.2		.1				100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 788

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 142317 SONDRESTROM GL STATION NAME 74-82 YEARS DEC MONTH 1200-1400 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1										.3	3.5
NNE	1.4	.7	.8	.1								3.0	5.1
NE	7.6	10.5	11.5	1.9	.3	.1						31.9	6.3
ENE	3.9	13.6	14.7	4.5				.1				36.1	7.3
E	.8	2.2	2.2	.5	.3	.7	.1					6.7	9.8
ESE		.5	.3	.7	.4			.1				2.0	13.0
SE		.1		.7	.1	.3						1.2	16.0
SSE				.4								.4	13.7
S			.1	.4	.1	.1	.1					1.0	17.3
SSW		.1	.1	.1		.1						.5	12.8
SW				.1								.1	12.0
WSW	.7		.3	.3								.8	8.2
W	.1	.3	.5	.3	.1	.4						1.8	12.4
WNW			.3		.5							.8	16.3
NW			.1		.1							.3	15.5
NNW	.1	.3	.1									.5	5.8
VARBL	1.4	1.1	.1									2.6	3.6
CALM												9.9	
	15.8	29.3	30.6	10.1	2.0	1.8	.3	.3				100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 736

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 042310 SONDRESTROM GL STATION NAME 74-82 YEARS DEC
MONTH 1500-1700
TIME (L.S.T.)
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	1.1	.3	1.1	.1								2.6	5.4
NE	5.6	9.0	13.5	2.5	.1							37.7	6.8
ENE	6.3	13.9	14.2	3.5	.4							38.3	6.6
E	.8	2.3	2.7	.8	.1		.4	.1				6.7	9.6
ESE	.3		.4	.4	.1	.1		.1				1.9	13.9
SE			.3	.3		.3						.8	16.0
SSE		.1										.1	4.0
S	.1	.1	.1		.3	.1						.8	12.8
SSW				.7	.1		.1					.5	19.8
SW													
WSW	.3	.3	.1				.1					.8	8.3
W	.7	.3	.7	.4		.1						2.2	7.8
WNW				.1	.5	.1						.8	19.7
NW	.1		.1		.1	.1						.5	13.3
NNW			.7	.3		.1						.7	14.8
VARBL	.9	1.1										1.9	3.6
CALM												10.6	
	16.1	27.4	32.8	9.1	1.9	1.1	.7	.3				100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 734

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 42310 STATION NAME SONDRESTROM GL YEARS 74-82 MONTH DEC
CLASS ALL WEATHER HOURS (L.S.T.) 1800-2000
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3		.1								.5	6.3
NNE	.5	.7		.3								1.5	5.5
NE	7.2	9.7	13.6	3.4	.1	.1						34.1	6.7
ENE	6.1	11.5	14.2	3.6	.1							35.5	6.8
E	.3	1.2	.6	.9	.5	.1						4.0	9.9
ESE	.3		.3	.4	.5	.3	.1	.3				2.2	18.9
SE				.1	.1	.1						.4	19.7
SSE			.4	.1								.4	10.7
S				.1	.1	.1						.4	18.7
SSW				.1	.3	.1	.1	.1				.8	22.7
SW			.1		.1	.1						.4	18.3
WSW	.1											.1	2.0
W		.3	.9	.7								1.9	10.6
WNW		.3	.1	.3	.3							.9	12.1
NW				.7	.3	.1						.7	17.2
NNW	.1			.1	.1	.3						.7	15.8
VARBL	1.1	.5	.1									1.8	3.5
CALM												13.6	
	15.8	24.4	30.6	10.7	2.7	1.5	.3	.4				100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 741

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 42312 STATION NAME SONDRESTROM GL YEARS 74-82 MONTH DEC
ALL WEATHER
CLAS
CONDITION

2100-2300
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.1		.4								.8	9.0
NNE	.7	.7	.8	.5								2.7	6.8
NE	4.5	11.1	12.4	2.0	.3							31.2	6.8
ENE	6.1	12.1	14.7	2.8	.3	.1						35.5	6.7
E	.7	1.3	1.0	1.2	1.2							6.3	9.9
ESE			.3	.4	.3	.1	.3					1.3	17.4
SE			.1	.1	.3	.1						.7	16.6
SSE				.1	.1							.3	17.2
S		.1	.3	.1	.1		.1					.8	19.7
SSW	.1		.1			.1	.4					.8	21.2
SW		.1	.1	.3			.1					.7	13.8
WSW	.4	.3	.1	.1		.1						1.1	8.1
W	.1	.1	.3	.8								1.3	11.0
WNW			.1	.1								.8	13.3
NW	.1	.3	.1	.4								.9	8.4
NNW	.1	.1		.2								.4	7.3
VARBL	1.1	.4	.3	.1								1.9	4.0
CALM												12.7	
	14.3	26.8	30.9	11.2	2.5	.7	.9					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 750

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

42310
STATION

SONDRESTROM GL
STATION NAME

74-82
YEARS

DEC
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.1	.1	.1	.7							.5	7.6
NNE	.9	.8	.5	.3								2.4	5.5
NE	6.4	17.3	13.4	3.7	.3	.1						33.4	6.7
ENE	6.3	11.6	13.8	3.7	.4	.1		.2				35.9	6.9
E	.7	1.3	1.8	.9	.4	.2	.1	.7				5.3	9.3
ESE	.1	.2	.3	.5	.4	.1	.1	.1				1.7	15.4
SE		.1	.1	.3	.1	.1						.7	14.9
SSE		.1	.1	.1	.1	.7						.6	13.7
S	.7	.7	.1	.3	.2	.1	.1					.9	15.7
SSW	.7	.1	.1	.2	.1	.1	.1	.0				.7	17.2
SW	.3	.3	.1	.1	.1	.1	.1					.4	16.7
WSW	.2	.2	.1	.1	.1	.0	.7					.6	7.9
W	.2	.3	.6	.4	.1	.1						1.7	9.6
WNW	.1	.1	.1	.3	.3	.7						.8	13.6
NW	.1	.1	.7	.3	.4	.1						.9	13.9
NNW	.1	.1	.2	.1	.7	.1						.6	9.6
VARBL	1.0	.6	.2	.7								1.8	3.8
CALM												11.3	
	16.3	25.4	31.6	10.7	2.7	1.1	.4	.1				100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

5921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

42710 STATION 42710 SONORESTROM GL STATION NAME 74-83 YEARS ALL MONTH ALL HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.2	.3	.2	.1	.1						.8	9.0
NNE	.7	1.3	1.0	.4	.7	.0						3.4	6.6
NE	4.9	7.3	7.2	1.5	.1	.1						21.0	6.2
ENE	4.5	3.3	9.9	2.9	.3	.1	.1	.1				26.0	6.9
E	1.3	2.8	5.2	2.8	.3	.1	.1	.0				12.4	8.6
ESE	.2	.3	.6	.5	.1	.1	.1	.0				1.8	10.1
SE	.1	.1	.3	.2	.1	.0	.0	.0				.9	10.7
SSE	.1	.2	.2	.2	.1	.1	.0	.0				.8	9.6
S	.1	.2	.2	.3	.1	.0	.0	.0				1.1	9.6
SSW	.3	.3	.1	.2	.1	.1	.0	.1				1.1	9.3
SW	.6	.7	.5	.3	.1	.1	.0		.1			2.4	7.9
WSW	.9	1.3	1.6	1.7	.2	.1	.0					4.9	8.0
W	.6	1.0	1.8	1.4	.3	.1	.1					5.1	9.2
WNW	.1	.2	.4	.4	.2	.1	.0	.1				1.3	11.5
NW	.1	.1	.4	.5	.2	.1						1.4	12.6
NNW	.1	.1	.2	.2	.0	.1	.1					.6	10.1
VARBL	1.3	.6	.2	.1	.0							2.1	3.5
CALM												12.9	
	15.8	24.9	30.1	13.1	2.3	.7	.1	.0	.1			100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 69815

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 4271 SONDRESTROM GL STATION NAME 74-83 YEARS ALL MONTHS ALL HOURS (L.S.T.)

INSTRUMENT CLASS CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE, CONDITION AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.1	.1	.6	.1	.1						1.1	12.6
NNE	1.1	.2	.3	.4	.3							2.9	7.0
NE	7.7	4.8	1.7	.4								14.6	4.1
ENE	5.7	5.3	2.8	.4	.1							13.5	4.9
E	1.2	1.9	1.3	.2				.1				4.7	5.9
ESE	.3	.3			.1			.2				.8	13.4
SE													
SSE			.1		.1	.1						.3	17.5
S	.3	.1										.3	2.6
SSW	.1	.1		.1								.3	6.4
SW	.3	.4	.7	.6	.1	.1			.1			2.1	9.9
WSW	1.6	2.6	3.7	3.3	.6	.1						11.2	8.9
W	1.7	2.5	5.1	4.6	.8	.4	.1					14.8	10.1
WNW	.1	.1	.6	1.2	.9	.3	.1					3.5	15.5
NW		.1	.6	1.7	.6	.9						3.4	16.2
NNW	.1	.1	.3	.3	.2	.2	.1					1.3	15.0
VARBL	1.1	.2										1.3	2.5
CALM												23.9	
	27.2	19.5	16.6	13.2	3.8	2.7	.4	.3	.1			100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 1594

U. S. AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968. For most Airways stations, visibilities of greater than 7 miles were not reported for part of the period of record. Therefore, the >10 mi visibility category should be used with great caution.

(continued on Reverse Side)

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0.
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0. From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42310
STATION

SONDRESTROM GL
STATION NAME

75-83
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS U.S.T.

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	5.2	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.3	50.3	50.3
≥ 20000	5.3	52.2	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.5	52.5	52.5
≥ 18000	6.4	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.7
≥ 16000	6.4	68.7	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.0	69.0	69.0
≥ 14000	6.4	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.6	69.6	69.6
≥ 12000	6.4	70.0	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.7	70.7	70.7
≥ 10000	6.7	74.6	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.3	75.3	75.3
≥ 9000	6.7	76.1	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.8	76.8	76.8
≥ 8000	6.7	83.2	83.8	83.9	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.8	84.8	84.8
≥ 7000	6.8	86.0	86.6	86.7	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.6	87.6	87.6
≥ 6000	6.8	88.0	88.5	89.1	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.9	89.9	89.9
≥ 5000	6.8	89.2	89.8	90.5	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.3	91.3	91.3
≥ 4500	6.8	90.4	91.1	91.8	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.6
≥ 4000	7.1	91.9	92.9	93.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.8	94.8	94.8
≥ 3500	7.1	92.2	93.2	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.1	95.1	95.1
≥ 3000	7.1	92.3	93.4	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.8
≥ 2500	7.1	93.0	94.3	95.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.8	96.8	96.8
≥ 2000	7.1	93.9	95.1	96.1	98.0	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3
≥ 1800	7.3	94.4	95.7	96.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.9	98.9	98.9
≥ 1500	7.3	94.6	95.8	96.8	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0
≥ 1200	7.3	94.6	95.8	96.8	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
≥ 1000	7.3	94.6	95.8	96.8	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
≥ 900	7.3	94.6	95.8	96.8	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
≥ 800	7.3	94.6	95.8	96.8	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
≥ 700	7.3	94.6	95.8	96.8	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
≥ 600	7.3	94.6	95.8	96.8	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
≥ 500	7.3	94.6	95.8	96.8	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
≥ 400	7.3	94.6	95.8	96.8	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
≥ 300	7.3	94.6	95.8	96.8	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
≥ 200	7.3	95.0	96.2	97.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3
≥ 100	7.3	95.0	96.2	97.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3
≥ 0	7.3	95.0	96.2	97.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 716

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

042310
STATION

SONDRESTROM GL
STATION NAME

75-87
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS LST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	5.5	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 20000	5.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 18000	6.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 16000	6.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 14000	6.7	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 12000	6.7	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 10000	7.1	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 9000	7.1	77.8	78.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 8000	7.4	84.7	84.9	85.5	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 7000	7.5	88.1	88.4	88.9	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 6000	7.5	88.9	89.5	91.1	91.3	91.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 5000	7.5	90.1	91.6	91.5	91.8	91.8	92.7	92.0	92.7	92.0	92.7	92.0	92.0	92.0	92.0	92.0
≥ 4500	7.5	90.9	91.5	92.3	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 4000	7.5	92.2	93.7	93.9	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 3500	7.5	92.5	93.5	94.3	94.6	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 3000	7.5	92.6	93.6	94.5	95.0	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2500	7.7	93.3	94.2	95.2	95.4	96.0	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 2000	7.7	94.0	95.2	96.2	97.0	97.2	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1800	7.7	94.6	95.7	96.7	97.6	97.7	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1500	7.7	94.9	96.7	97.0	97.9	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	7.7	95.0	96.2	97.2	98.0	98.3	99.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	7.7	95.0	96.2	97.2	98.0	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	7.7	95.0	96.2	97.2	98.0	98.3	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	7.7	95.2	96.3	97.3	98.2	98.4	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	7.7	95.2	96.3	97.3	98.2	98.4	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	7.7	95.2	96.3	97.3	98.2	98.4	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	7.7	95.2	96.3	97.3	98.2	98.4	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	7.7	95.2	96.3	97.3	98.2	98.4	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	7.7	95.3	96.4	97.4	98.3	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	7.7	95.3	96.4	97.4	98.3	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	7.7	95.3	96.4	97.4	98.3	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	7.7	95.3	96.4	97.4	98.3	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 704

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

042310

SONDRESTROM GL

75-83

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	6.2	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 20000	6.2	53.9	54.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 18000	7.5	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 16000	7.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 14000	7.5	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 12000	7.6	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 10000	7.9	73.1	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 9000	7.9	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 8000	8.2	82.6	83.1	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 7000	8.3	85.4	85.9	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 6000	8.3	87.5	88.2	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 5000	8.3	89.2	89.9	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 4500	8.3	90.6	91.3	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 4000	8.3	91.6	92.5	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 3500	8.3	91.8	92.8	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 3000	8.4	92.7	93.8	94.8	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 2500	8.4	93.0	94.1	95.1	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 2000	8.4	93.7	94.8	95.8	96.8	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1800	8.4	94.4	95.5	96.5	97.5	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1500	8.4	94.7	95.8	96.8	97.9	98.3	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1200	8.4	94.7	95.8	96.8	97.9	98.3	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1000	8.4	94.7	95.8	96.8	97.9	98.5	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 900	8.4	94.7	95.8	96.8	97.9	98.5	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 800	8.4	95.1	96.2	97.2	98.5	99.0	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	8.4	95.1	96.2	97.2	98.5	99.0	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	8.4	95.1	96.2	97.2	98.5	99.0	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	8.4	95.1	96.2	97.2	98.5	99.0	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	8.4	95.1	96.2	97.2	98.5	99.0	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	8.4	95.1	96.2	97.2	98.5	99.0	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	8.4	95.1	96.2	97.2	98.5	99.0	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	8.4	95.1	96.2	97.2	98.5	99.0	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	8.4	95.1	96.2	97.2	98.5	99.0	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

711

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

042310
STATION

SONDRESTROM GL
STATION NAME

75-83
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1100
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.75	≥.7	≥.6	≥.5
NO CEILING	4.3	46.4	45.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥20000	4.2	43.6	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
IV 18000	5.3	61.7	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 16000	5.3	61.7	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 14000	5.3	61.8	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 12000	5.3	62.8	63.3	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 10000	5.4	70.7	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 9000	5.4	72.8	73.3	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 8000	5.8	80.1	80.8	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 7000	5.8	83.2	84.0	84.7	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 6000	6.4	86.1	87.1	87.8	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 5000	6.5	88.5	89.4	90.1	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 4500	6.5	89.3	90.4	91.1	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 4000	6.7	90.6	91.7	92.5	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 3500	6.7	91.5	92.9	93.9	94.4	94.4	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 3000	6.7	91.8	93.5	94.6	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 2500	6.7	92.1	93.8	95.0	95.4	95.6	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 2000	6.8	93.1	94.7	96.1	96.8	97.1	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 1800	6.8	93.1	94.7	96.1	96.8	97.1	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 1500	6.8	93.5	95.1	96.5	97.2	97.5	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1200	6.9	93.6	95.3	96.7	97.4	97.6	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1000	6.9	93.9	95.6	96.9	97.6	97.9	98.3	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 900	6.9	93.9	95.6	96.9	97.6	97.9	98.3	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	6.9	93.9	95.6	96.9	97.6	97.9	98.3	98.8	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	6.9	94.0	95.7	97.1	97.8	98.1	98.5	98.9	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	6.9	94.1	95.7	97.1	97.8	98.1	98.5	98.9	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	6.9	94.2	95.8	97.2	97.9	98.2	98.6	99.0	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	6.9	94.2	95.8	97.2	97.9	98.2	98.6	99.0	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	6.9	94.2	95.8	97.2	97.9	98.2	98.6	99.0	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	6.9	94.3	96.0	97.4	98.1	98.3	98.8	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	6.9	94.3	96.0	97.4	98.1	98.3	98.8	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	6.9	94.3	96.0	97.4	98.1	98.3	98.8	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

042310 SONDRESTROM GL

75-83

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS - LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .9	≥ .8	≥ .7	≥ .6	≥ .5	≥ 0
NO CEILING	3.9	38.3	38.3	38.3	38.3	38.3	38.5	38.5	38.5	38.5	38.6	38.6	38.7	38.7	38.7	38.9
≥ 20000	4.1	42.7	42.7	42.7	42.7	42.7	42.8	42.8	42.8	42.8	42.9	42.9	43.1	43.1	43.1	43.2
≥ 18000	5.6	64.9	65.0	65.3	65.3	65.3	65.5	65.5	65.5	65.5	65.6	65.6	65.7	65.7	65.7	65.9
≥ 16000	5.6	65.6	65.7	66.0	66.0	66.0	66.2	66.2	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.6
≥ 14000	5.6	65.6	65.7	66.0	66.0	66.0	66.2	66.2	66.2	66.3	66.3	66.4	66.4	66.6	66.6	66.7
≥ 12000	5.6	67.0	67.1	67.4	67.4	67.4	67.6	67.6	67.7	67.7	67.8	67.8	68.0	68.0	68.0	68.1
≥ 10000	6.6	73.3	73.4	73.8	74.0	74.1	74.3	74.3	74.4	74.4	74.5	74.5	74.7	74.7	74.7	74.8
≥ 9000	6.7	75.1	75.2	75.7	75.8	75.9	76.1	76.1	76.2	76.2	76.4	76.4	76.5	76.5	76.5	76.6
≥ 8000	7.0	82.4	83.2	83.6	83.9	84.2	84.3	84.3	84.5	84.5	84.6	84.6	84.8	84.8	84.8	84.9
≥ 7000	7.1	85.2	86.7	86.6	86.9	87.1	87.3	87.3	87.4	87.4	87.6	87.6	87.7	87.7	87.7	87.8
≥ 6000	7.1	86.4	87.7	88.3	88.7	89.1	89.2	89.4	89.5	89.5	89.7	89.7	89.8	89.8	89.8	89.9
≥ 5000	7.1	87.6	88.8	89.5	89.9	90.3	90.5	90.6	90.8	90.8	90.9	90.9	91.0	91.0	91.0	91.2
≥ 4500	7.1	88.4	89.7	90.3	90.9	91.3	91.5	91.6	91.7	91.7	91.9	91.9	92.0	92.0	92.0	92.2
≥ 4000	7.1	89.1	90.5	91.3	91.9	92.3	92.4	92.6	92.7	92.7	92.9	92.9	93.0	93.0	93.0	93.1
≥ 3500	7.1	89.5	90.9	92.3	92.9	93.3	93.4	93.6	93.7	93.7	93.8	93.8	94.0	94.0	94.0	94.1
≥ 3000	7.1	89.9	91.3	93.0	93.6	94.0	94.1	94.3	94.4	94.4	94.5	94.5	94.7	94.7	94.7	94.8
≥ 2500	7.1	91.5	92.9	94.8	95.4	95.8	95.9	96.1	96.2	96.2	96.4	96.4	96.5	96.5	96.5	96.6
≥ 2000	7.1	91.7	93.3	95.8	96.4	96.9	97.3	97.5	97.6	97.6	97.8	97.8	97.9	97.9	97.9	98.0
≥ 1800	7.1	92.2	93.7	96.2	96.8	97.3	97.8	98.0	98.2	98.2	98.3	98.3	98.5	98.5	98.5	98.6
≥ 1500	7.1	92.2	93.7	96.2	96.8	97.3	97.8	98.2	98.6	98.6	98.7	98.7	98.9	98.9	98.9	99.0
≥ 1200	7.1	92.2	93.7	96.2	96.8	97.3	97.8	98.2	98.6	98.6	98.7	98.7	98.9	98.9	98.9	99.0
≥ 1000	7.1	92.4	94.0	96.5	97.1	97.6	98.0	98.7	99.2	99.2	99.3	99.3	99.4	99.4	99.4	99.6
≥ 900	7.1	92.4	94.0	96.5	97.1	97.6	98.0	98.7	99.2	99.2	99.3	99.3	99.4	99.4	99.4	99.6
≥ 800	7.1	92.4	94.0	96.5	97.1	97.6	98.2	98.9	99.3	99.3	99.4	99.4	99.6	99.6	99.6	99.7
≥ 700	7.1	92.4	94.0	96.5	97.1	97.6	98.2	98.9	99.3	99.3	99.4	99.4	99.6	99.6	99.6	99.7
≥ 600	7.1	92.4	94.0	96.5	97.1	97.6	98.2	98.9	99.3	99.3	99.4	99.4	99.6	99.6	99.6	99.7
≥ 500	7.1	92.6	94.1	96.8	97.2	97.8	98.3	99.0	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.9
≥ 400	7.1	92.7	94.3	96.8	97.3	97.9	98.5	99.2	99.6	99.6	99.7	99.7	99.9	99.9	99.9	100.0
≥ 300	7.1	92.7	94.3	96.8	97.3	97.9	98.5	99.2	99.6	99.6	99.7	99.7	99.9	99.9	99.9	100.0
≥ 200	7.1	92.7	94.3	96.8	97.3	97.9	98.5	99.2	99.6	99.6	99.7	99.7	99.9	99.9	99.9	100.0
≥ 100	7.1	92.7	94.3	96.8	97.3	97.9	98.5	99.2	99.6	99.6	99.7	99.7	99.9	99.9	99.9	100.0
≥ 0	7.1	92.7	94.3	96.8	97.3	97.9	98.5	99.2	99.6	99.6	99.7	99.7	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 715

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

042310
STATION

SONDRESTROM GL
STATION NAME

75-87
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	3.5	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 20000	3.9	46.3	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
IV 18000	5.0	66.2	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 16000	5.2	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 14000	5.2	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 12000	5.2	68.5	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 10000	5.6	74.5	74.6	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 9000	5.9	76.7	76.8	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 8000	6.3	83.1	83.3	83.4	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 7000	6.4	86.9	87.0	87.3	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 6000	6.4	89.0	89.1	89.7	91.5	90.5	90.5	91.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 5000	6.4	89.4	89.5	90.1	90.9	90.9	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 4500	6.4	89.4	89.5	90.1	90.9	90.9	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 4000	6.4	91.8	91.5	92.2	93.7	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 3500	6.4	91.1	91.8	92.5	93.3	93.4	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 3000	6.4	92.2	92.9	93.7	94.6	94.8	95.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 2500	6.4	93.2	93.9	94.8	95.8	96.2	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 2000	6.4	94.3	95.3	96.4	97.5	97.9	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1800	6.4	94.6	95.5	96.7	97.8	98.2	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1500	6.4	94.6	95.5	96.7	97.8	98.2	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1200	6.4	94.6	95.5	96.7	97.8	98.2	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1000	6.4	95.0	96.0	97.2	98.3	98.7	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	6.4	95.0	96.0	97.2	98.3	98.7	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	6.4	95.0	96.0	97.2	98.3	98.7	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	6.4	95.0	96.0	97.2	98.3	98.7	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	6.4	95.0	96.0	97.2	98.3	98.7	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	6.4	95.0	96.0	97.2	98.3	98.7	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	6.4	95.0	96.0	97.2	98.3	98.7	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	6.4	95.0	96.0	97.2	98.3	98.9	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	6.4	95.0	96.0	97.2	98.3	98.9	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	6.4	95.0	96.0	97.2	98.3	98.9	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	6.4	95.0	96.0	97.2	98.3	98.9	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 717

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

042310
STATION

SONDRESTROM GL
STATION NAME

75-83
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	4.5	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
IV 20000	4.6	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 18000	5.3	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 16000	5.3	63.8	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 14000	5.3	63.8	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 12000	5.3	65.1	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 10000	5.5	71.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 9000	5.6	73.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 8000	5.9	79.7	80.8	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 7000	6.2	85.8	87.4	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 6000	6.3	88.2	89.8	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 5000	6.3	90.0	91.6	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 4500	6.3	90.2	91.7	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 4000	6.3	92.4	94.7	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 3500	6.3	93.0	94.7	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 3000	6.3	94.0	95.7	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 2500	6.6	95.1	96.8	97.6	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 2000	6.6	95.4	97.1	97.9	98.3	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1800	6.6	95.5	97.2	98.0	98.5	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1500	6.6	95.5	97.2	98.0	98.5	98.6	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1200	6.6	95.5	97.2	98.0	98.5	98.6	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1000	6.6	95.5	97.2	98.0	98.5	98.6	98.7	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 900	6.6	95.5	97.2	98.0	98.5	98.6	98.7	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	6.6	95.5	97.2	98.0	98.5	98.6	98.7	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	6.6	95.5	97.2	98.0	98.5	98.6	98.7	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	6.6	95.5	97.2	98.0	98.5	98.6	98.7	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	6.6	95.5	97.2	98.0	98.5	98.6	98.7	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	6.6	95.5	97.2	98.0	98.5	98.6	98.7	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	6.6	95.5	97.2	98.0	98.5	98.6	98.7	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	6.6	95.5	97.2	98.0	98.5	98.6	98.7	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	6.6	95.5	97.2	98.0	98.5	98.6	98.7	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	6.6	95.5	97.2	98.0	98.5	98.6	98.7	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 713

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

042310

SONDRESTROM GL

75-83

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (EST)

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .01
NO CEILING	5.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 20000	5.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 18000	6.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 16000	6.7	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 14000	6.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 12000	7.0	68.1	68.3	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 10000	7.2	73.1	73.3	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 9000	7.2	74.1	74.3	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 8000	7.3	81.5	81.8	82.2	82.4	82.4	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 7000	8.1	85.5	85.9	86.4	86.8	86.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 6000	8.2	86.8	87.4	87.8	88.2	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 5000	8.5	88.7	89.4	90.0	90.4	90.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 4500	8.5	91.4	91.4	92.0	92.4	92.4	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 4000	8.8	91.8	93.1	93.5	94.0	94.1	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 3500	8.8	92.5	93.8	94.4	94.8	95.0	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 3000	8.8	93.1	94.4	95.0	95.4	95.6	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 2500	8.9	94.3	95.6	96.3	96.8	97.0	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 2000	8.9	95.1	96.4	97.1	97.7	97.8	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1800	8.9	95.4	96.7	97.4	98.0	98.1	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1600	8.9	95.4	96.7	97.4	98.0	98.1	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1400	8.9	95.4	96.7	97.4	98.0	98.1	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200	8.9	95.4	96.7	97.4	98.0	98.1	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000	8.9	95.4	96.7	97.4	98.0	98.1	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900	8.9	95.4	96.7	97.4	98.0	98.1	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	8.9	95.4	96.7	97.4	98.0	98.1	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	8.9	95.4	96.7	97.4	98.0	98.1	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	8.9	95.4	96.7	97.4	98.0	98.1	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	8.9	95.4	96.7	97.4	98.0	98.1	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	8.9	95.4	96.7	97.4	98.0	98.1	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300	8.9	95.4	96.7	97.4	98.0	98.1	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 200	8.9	95.4	96.7	97.4	98.0	98.1	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 100	8.9	95.4	96.7	97.4	98.0	98.1	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS

697

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

042312

SONDRESTROM GL

75-87

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS - U.S.T.

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	4.7	45.8	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	46.0
≥ 20000	4.8	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.8	48.8	48.8
IV 18000	6.1	65.8	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.2
IV 16000	6.1	66.2	66.4	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 14000	6.1	66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 12000	6.1	67.4	67.7	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 10000	6.5	73.3	73.6	73.8	73.9	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 9000	6.6	75.3	75.6	75.8	75.9	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 8000	6.8	82.2	82.7	83.1	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.6	83.6	83.6
IV 7000	7.0	85.8	86.4	86.8	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.5
IV 6000	7.1	87.6	88.4	88.9	89.3	89.4	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.7
IV 5000	7.2	89.1	89.9	90.5	90.9	90.9	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2
IV 4500	7.2	89.9	90.8	91.4	91.8	91.9	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.2
IV 4000	7.3	91.3	92.4	93.3	93.5	93.6	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.9
IV 3500	7.3	91.8	92.9	93.7	94.2	94.3	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6
IV 3000	7.3	92.3	93.6	94.5	95.1	95.2	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 2500	7.4	93.1	94.4	95.5	96.2	96.4	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9
IV 2000	7.4	93.9	95.2	96.4	97.3	97.6	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1800	7.4	94.3	95.6	96.8	97.7	97.9	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1500	7.4	94.4	95.7	96.9	97.8	98.1	98.5	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0
IV 1200	7.4	94.4	95.8	97.0	97.9	98.2	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
IV 1000	7.4	94.6	95.9	97.1	98.0	98.3	98.7	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6
IV 900	7.4	94.6	95.9	97.1	98.0	98.3	98.7	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6
IV 800	7.4	94.6	96.0	97.2	98.1	98.4	98.8	99.3	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8
IV 700	7.4	94.6	96.0	97.2	98.1	98.4	98.8	99.3	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8
IV 600	7.4	94.6	96.0	97.2	98.1	98.4	98.8	99.3	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8
IV 500	7.4	94.7	96.0	97.2	98.2	98.5	98.8	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	7.4	94.7	96.0	97.2	98.2	98.5	98.8	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	7.4	94.7	96.0	97.3	98.2	98.5	98.8	99.4	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9
IV 200	7.4	94.8	96.1	97.4	98.3	98.6	99.0	99.5	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	7.4	94.8	96.1	97.4	98.3	98.6	99.0	99.5	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	7.4	94.8	96.1	97.4	98.3	98.6	99.0	99.5	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

5693

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATM WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42710
STATION

SONDRESTROM GL
STATION NAME

75-83
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	5.7	56.4	56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.7
≥ 20000	5.7	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.5
≥ 18000	6.3	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.9
≥ 16000	6.5	67.9	67.9	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.2	68.2
≥ 14000	6.5	67.9	67.9	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.2	68.2
≥ 12000	6.5	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.4
≥ 10000	6.6	71.3	71.3	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.6
≥ 9000	6.7	72.9	72.9	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.3	73.3
≥ 8000	7.1	80.7	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.2	81.2
≥ 7000	7.6	85.4	85.7	85.7	85.9	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.2	86.2
≥ 6000	7.6	85.6	85.9	85.9	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.4	86.4
≥ 5000	7.8	85.7	86.1	86.1	86.2	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.5	86.5
≥ 4500	7.8	85.7	86.1	86.1	86.2	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.5	86.5
≥ 4000	7.9	86.4	86.9	86.9	87.0	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.5	87.5
≥ 3500	7.9	87.4	87.8	87.8	88.0	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.7	88.7
≥ 3000	7.9	88.2	89.5	90.0	90.3	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.9	90.9
≥ 2500	8.1	90.4	92.2	93.7	95.3	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9
≥ 2000	8.1	91.9	93.7	95.5	97.2	97.6	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	98.1	98.1
≥ 1800	8.1	92.1	94.0	95.8	97.6	97.9	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.4	98.4
≥ 1500	8.1	92.1	94.0	95.8	97.9	98.4	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.9	98.9
≥ 1200	8.1	92.1	94.0	95.8	97.9	98.4	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.9	98.9
≥ 1000	8.1	92.1	94.0	95.8	97.9	98.4	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.9	98.9
≥ 900	8.1	92.1	94.0	95.8	97.9	98.4	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.9	98.9
≥ 800	8.1	92.2	94.2	95.9	98.1	98.5	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
≥ 700	8.1	92.2	94.2	95.9	98.1	98.5	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
≥ 600	8.1	92.2	94.2	95.9	98.1	98.5	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2
≥ 500	8.1	92.2	94.2	95.9	98.1	98.5	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2
≥ 400	8.1	92.2	94.2	95.9	98.1	98.5	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2
≥ 300	8.1	92.2	94.2	95.9	98.1	98.5	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2
≥ 200	8.1	92.2	94.2	95.9	98.1	98.5	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2
≥ 100	8.1	92.2	94.2	95.9	98.1	98.5	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2
≥ 0	8.1	92.2	94.2	95.9	98.1	98.5	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS

617

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42317 SONDRESTROM GL

75-83

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1300-0500
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	4.3	49.7	49.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.2	50.2
≥ 20000	4.4	51.5	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	52.7	52.0
IV 18000	5.4	63.6	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.1
IV 16000	5.6	64.3	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.8	64.8
IV 14000	5.6	64.3	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.8	64.8
IV 12000	5.6	64.6	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.1	65.1
IV 10000	5.9	66.4	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.9	66.9
IV 9000	5.9	67.7	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.2	68.2
IV 8000	6.2	75.9	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.4	76.4
IV 7000	6.6	81.8	82.0	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.8	82.8
IV 6000	6.6	82.3	82.5	82.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.3	83.3
IV 5000	6.7	83.0	83.1	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.9	83.9
IV 4500	6.7	83.7	83.1	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.9	83.9
IV 4000	6.9	83.9	84.3	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.1	85.1
IV 3500	6.9	85.9	86.4	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.2	87.2
IV 3000	7.1	88.0	88.7	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.2	90.2
IV 2500	7.3	90.0	91.0	92.1	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.1	94.1
IV 2000	7.2	92.1	93.3	95.2	97.0	97.0	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5
IV 1800	7.2	92.5	93.8	95.7	97.5	97.5	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0
IV 1500	7.2	92.5	93.8	96.1	98.4	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.9	98.9
IV 1200	7.2	92.5	93.8	96.1	98.4	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.9	98.9
IV 1000	7.4	92.6	93.9	96.2	98.5	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2
IV 900	7.4	92.6	93.9	96.2	98.5	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2
IV 800	7.4	92.6	93.9	96.2	98.5	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2
IV 700	7.4	92.6	93.9	96.2	98.5	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2
IV 600	7.4	92.6	93.9	96.2	98.5	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2
IV 500	7.4	92.6	93.9	96.2	98.5	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2
IV 400	7.4	92.6	93.9	96.2	98.5	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2
IV 300	7.4	92.6	93.9	96.2	98.5	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2
IV 200	7.4	92.6	93.9	96.2	98.5	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2
IV 100	7.4	92.6	93.9	96.2	98.5	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2
IV 0	7.4	92.6	93.9	96.2	98.5	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS

610

USAF ETAC

FORM
1 JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4231
STATION

SONDRESTROM GL

STATION NAME

75-83

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3600-3800
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	5.2	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 20000	5.4	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 18000	6.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 16000	6.2	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 14000	6.2	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 12000	6.2	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 10000	6.4	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 9000	6.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 8000	7.1	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 7000	7.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 6000	7.9	84.7	85.2	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 5000	7.9	85.2	85.7	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 4500	8.1	85.4	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 4000	8.1	86.2	86.6	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3500	8.1	86.3	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 3000	8.3	88.9	91.3	91.1	91.1	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2500	8.3	91.4	93.0	94.0	94.4	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2000	8.3	92.2	94.1	95.1	95.7	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1800	8.3	92.4	94.3	95.2	95.9	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1500	8.3	92.8	94.8	96.0	97.5	97.9	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	8.3	92.8	94.8	96.0	97.5	97.9	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000	8.3	92.8	94.8	96.0	97.5	97.9	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900	8.3	92.8	94.8	96.0	97.5	97.9	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	8.3	92.8	94.8	96.0	97.5	97.9	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 700	8.3	93.0	94.9	96.2	97.6	98.1	98.3	98.7	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
≥ 600	8.3	93.0	94.9	96.2	97.6	98.1	98.3	98.7	98.9	98.9	98.9	98.9	99.0	99.2	99.4	99.4
≥ 500	8.3	93.0	94.9	96.2	97.6	98.1	98.3	98.7	98.9	98.9	98.9	98.9	99.0	99.2	99.4	99.4
≥ 400	8.3	93.0	94.9	96.2	97.6	98.1	98.3	98.7	98.9	98.9	98.9	98.9	99.0	99.2	99.4	99.4
≥ 300	8.3	93.0	94.9	96.2	97.6	98.1	98.3	98.7	98.9	98.9	98.9	98.9	99.0	99.2	99.4	99.4
≥ 200	8.3	93.0	94.9	96.2	97.6	98.1	98.3	98.7	98.9	98.9	98.9	98.9	99.0	99.2	99.4	99.4
≥ 100	8.3	93.0	94.9	96.2	97.6	98.1	98.3	98.7	98.9	98.9	98.9	98.9	99.0	99.2	99.4	99.4
≥ 0	8.3	93.0	94.9	96.2	97.6	98.1	98.3	98.7	98.9	98.9	98.9	98.9	99.0	99.2	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

629

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 042710 SONDRESTROM GL

75-83

FEB

STATION NAME

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS - LT

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ ⅛	≥ 0	≥ 0
NO CEILING	3.5	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3
≥ 70000	3.5	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.2
≥ 18000	4.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8
≥ 6000	4.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1
≥ 14000	4.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1
≥ 12000	4.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.1
≥ 10000	5.1	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.8	64.8	64.8	64.8	64.8	64.8
≥ 9000	5.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3
≥ 8000	5.4	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0
≥ 7000	6.7	81.1	81.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7
≥ 6000	6.5	83.2	83.2	83.8	83.8	83.8	83.8	83.8	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0
≥ 5000	6.8	85.1	85.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9
≥ 4500	6.9	85.6	85.6	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3
≥ 4000	7.0	86.7	87.0	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8
≥ 3500	7.1	86.8	87.1	87.8	87.9	87.9	87.9	87.9	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.1
≥ 3000	7.1	88.6	89.4	90.6	90.8	91.0	91.0	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2500	7.0	90.0	91.0	92.7	94.4	94.8	94.8	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9
≥ 2000	7.1	90.0	91.0	92.9	94.8	95.4	95.4	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1800	7.1	90.2	91.1	93.0	94.9	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1500	7.0	91.6	92.5	94.6	96.8	97.6	97.6	97.8	97.8	98.1	98.3	98.3	98.4	98.4	98.4	98.4
≥ 1200	7.0	91.9	92.9	94.9	97.1	97.9	97.9	98.1	98.1	98.4	98.6	98.6	98.7	98.7	98.7	98.7
≥ 1000	7.1	91.9	92.9	95.1	97.3	98.1	98.3	98.4	98.4	98.7	98.9	98.9	99.0	99.0	99.0	99.0
≥ 900	7.0	91.9	92.9	95.1	97.3	98.1	98.3	98.4	98.4	98.7	98.9	98.9	99.0	99.0	99.0	99.0
≥ 800	7.0	91.9	92.9	95.1	97.3	98.1	98.3	98.4	98.4	98.7	98.9	98.9	99.0	99.0	99.0	99.0
≥ 700	7.0	91.9	92.9	95.1	97.3	98.1	98.3	98.4	98.4	98.7	98.9	98.9	99.0	99.0	99.0	99.0
≥ 600	7.0	91.9	92.9	95.1	97.3	98.1	98.3	98.4	98.4	98.9	99.0	99.0	99.4	99.4	99.4	99.4
≥ 500	7.0	91.9	92.9	95.1	97.3	98.1	98.3	98.4	98.4	98.9	99.0	99.0	99.4	99.4	99.4	99.4
≥ 400	7.1	91.9	92.9	95.1	97.3	98.1	98.3	98.4	98.4	98.9	99.0	99.0	99.5	99.5	99.5	99.5
≥ 300	7.1	91.9	92.9	95.1	97.3	98.1	98.3	98.4	98.4	98.9	99.0	99.0	99.5	99.5	99.5	99.5
≥ 200	7.0	91.9	92.9	95.1	97.3	98.1	98.3	98.4	98.4	98.9	99.2	99.2	99.8	100.0	100.0	100.0
≥ 100	7.0	91.9	92.9	95.1	97.3	98.1	98.3	98.4	98.4	98.9	99.2	99.2	99.8	100.0	100.0	100.0
≥ 0	7.1	91.9	92.9	95.1	97.3	98.1	98.3	98.4	98.4	98.9	99.2	99.2	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 630

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42317
STATION

SONDRESTROM GL
STATION NAME

75-83
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	3.9	43.3	43.5	43.5	43.5	43.5	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 20000	4.1	45.4	45.5	45.5	45.5	45.5	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 18000	5.9	66.4	66.4	66.5	66.5	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 16000	5.9	66.5	66.8	67.0	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 14000	5.9	66.5	66.8	67.0	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 12000	6.1	68.1	68.4	68.5	68.5	68.5	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 10000	6.1	71.0	71.5	71.7	71.7	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 9000	6.4	72.8	73.2	73.4	73.4	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 8000	7.2	78.1	78.6	78.7	78.7	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 7000	7.8	84.2	84.7	85.0	85.0	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 6000	7.8	84.7	85.1	85.4	85.4	85.6	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 5000	7.8	85.4	85.9	86.2	86.2	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 4500	8.1	85.9	86.4	86.7	86.7	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 4000	8.1	86.7	87.3	87.8	88.1	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 3500	8.1	87.0	87.8	88.3	88.6	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 3000	8.1	88.9	90.0	90.5	91.1	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 2500	8.1	90.3	91.9	92.5	93.4	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 2000	8.1	90.5	92.7	92.8	94.1	95.3	95.6	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1800	8.1	90.6	92.3	93.0	94.2	95.5	95.8	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1500	8.1	91.1	92.8	93.4	95.1	96.4	96.7	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1200	8.3	91.4	93.4	94.1	95.8	97.0	97.3	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1000	8.3	92.7	94.1	94.7	96.4	97.7	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 900	8.3	92.0	94.1	94.7	96.4	97.7	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 800	8.3	92.0	94.1	94.7	96.4	97.7	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 700	8.3	92.0	94.1	94.7	96.4	97.7	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 600	8.3	92.0	94.2	94.8	96.6	97.8	98.1	98.4	98.4	98.7	98.9	98.9	98.9	99.5	99.5	99.5
IV 500	8.3	92.0	94.2	94.8	96.6	97.8	98.1	98.4	98.4	98.7	98.9	98.9	98.9	99.5	99.5	99.5
IV 400	8.3	92.0	94.2	94.8	96.6	97.8	98.1	98.4	98.4	98.7	98.9	98.9	98.9	99.5	99.5	99.5
IV 300	8.3	92.0	94.2	94.8	96.6	97.8	98.1	98.4	98.4	98.7	98.9	98.9	98.9	99.5	99.5	99.5
IV 200	8.3	92.0	94.2	94.8	96.6	97.8	98.1	98.4	98.4	98.7	99.2	99.2	100.0	100.0	100.0	100.0
IV 100	8.3	92.0	94.2	94.8	96.6	97.8	98.1	98.4	98.4	98.7	99.2	99.2	100.0	100.0	100.0	100.0
IV 0	8.3	92.7	94.2	94.8	96.6	97.8	98.1	98.4	98.4	98.7	99.2	99.2	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

639

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4211 SONDRESTROM GL

75-83

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS - LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	4.2	43.5	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	44.0	44.0	44.0	44.0
≥ 20000	4.3	45.8	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.3	46.3	46.3	46.3
≥ 18000	6.1	64.9	65.2	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.7	65.7	65.7
≥ 16000	6.0	65.8	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.5	66.6	66.6	66.6
≥ 14000	6.1	65.8	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.5	66.6	66.6	66.6
≥ 12000	6.1	66.6	66.9	66.9	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.2	67.4	67.4	67.4
≥ 10000	6.5	72.6	72.9	73.2	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.7	73.8	73.8	73.8
≥ 9000	6.5	74.3	74.6	74.9	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.5	75.7	75.7	75.7
≥ 8000	6.9	77.5	77.8	78.2	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.8	78.9	78.9	78.9
≥ 7000	7.7	83.5	83.8	84.5	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.1	85.2	85.2	85.2
≥ 6000	7.8	84.3	84.6	85.2	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.0	86.2	86.2	86.2
≥ 5000	8.1	85.4	85.7	86.3	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.1	87.2	87.2	87.2
≥ 4500	8.1	85.4	85.7	86.3	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.1	87.2	87.2	87.2
≥ 4000	8.2	86.6	86.9	87.7	88.5	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.9	89.1	89.1	89.1
≥ 3500	8.2	87.4	87.7	88.6	89.5	89.7	89.9	89.8	89.8	89.8	89.8	89.8	90.0	90.2	90.2	90.2
≥ 3000	8.2	88.5	88.9	90.0	91.1	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.7	91.7	91.7
≥ 2500	8.2	90.3	91.1	92.5	94.5	94.8	95.2	95.4	95.4	95.4	95.4	95.4	95.5	95.7	95.7	95.7
≥ 2000	8.2	90.3	91.1	92.5	94.8	95.4	96.2	96.5	96.5	96.5	96.5	96.5	96.6	96.8	96.8	96.8
≥ 1800	8.2	91.3	91.1	92.5	94.8	95.4	96.2	96.5	96.5	96.5	96.5	96.5	96.6	96.8	96.8	96.8
≥ 1500	8.2	90.8	91.5	92.9	95.4	96.2	97.2	97.8	97.8	97.8	97.8	97.8	98.0	98.2	98.2	98.2
≥ 1200	8.2	91.1	92.0	93.4	95.8	96.6	97.7	98.3	98.3	98.3	98.3	98.3	98.5	98.6	98.6	98.6
≥ 1000	8.2	91.1	92.7	93.4	95.8	96.6	97.7	98.3	98.5	98.5	98.5	98.6	98.6	98.8	98.9	98.9
≥ 900	8.2	91.2	92.2	93.5	96.0	96.8	97.8	98.5	98.6	98.6	98.6	98.8	98.8	98.9	99.1	99.1
≥ 800	8.2	91.2	92.2	93.5	96.0	96.8	97.8	98.5	98.6	98.6	98.6	98.8	98.8	98.9	99.1	99.1
≥ 700	8.2	91.2	92.2	93.5	96.0	96.8	97.8	98.5	98.6	98.6	98.6	98.8	98.8	98.9	99.1	99.1
≥ 600	8.2	91.2	92.2	93.5	96.0	96.8	97.8	98.5	98.6	98.6	98.6	98.8	98.8	98.9	99.1	99.2
≥ 500	8.2	91.2	92.2	93.5	96.0	96.8	97.8	98.5	98.6	98.6	98.6	98.8	98.8	98.9	99.1	99.2
≥ 400	8.2	91.2	92.2	93.5	96.0	96.8	97.8	98.5	98.6	98.6	98.6	98.8	98.8	98.9	99.1	99.2
≥ 300	8.2	91.2	92.2	93.5	96.0	96.8	97.8	98.5	98.6	98.6	98.6	98.8	98.8	98.9	99.1	99.2
≥ 200	8.2	91.2	92.2	93.5	96.0	96.8	97.8	98.5	98.6	98.6	98.6	98.8	98.8	98.9	99.1	99.2
≥ 100	8.2	91.2	92.2	93.5	96.0	96.8	97.8	98.5	98.6	98.6	98.6	98.8	98.8	98.9	99.1	99.2
≥ 0	8.2	91.2	92.2	93.5	96.0	96.8	97.8	98.5	98.6	98.6	98.6	98.8	98.8	98.9	99.1	99.2

TOTAL NUMBER OF OBSERVATIONS 650

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42310
STATION

SONDRESTROM GL
STATION NAME

75-83
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1830-2000
HOURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ .5	≥ .25	≥ .15	≥ .10	≥ .05	≥ .025	≥ 0
NO CEILING	3.8	51.0	51.2	51.2	51.2	51.3	51.3	51.3	51.5	51.5	51.7	51.7	51.7	51.7	51.7	51.7
≥ 20000	3.8	53.6	53.7	53.7	53.7	53.9	53.9	53.9	54.0	54.0	54.2	54.2	54.2	54.2	54.2	54.2
≥ 18000	5.1	66.1	66.2	66.2	66.2	66.4	66.4	66.4	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7
≥ 16000	5.1	66.7	66.9	66.9	66.9	67.0	67.0	67.0	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4
≥ 14000	5.2	66.9	67.0	67.0	67.0	67.2	67.2	67.2	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5
≥ 12000	5.2	68.1	68.3	68.3	68.3	68.5	68.5	68.5	68.6	68.6	68.8	68.8	68.8	68.8	68.8	68.8
≥ 10000	5.4	71.2	71.3	71.3	71.3	71.5	71.5	71.5	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8
≥ 9000	5.7	74.0	74.2	74.2	74.2	74.3	74.3	74.3	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6
≥ 8000	6.0	78.3	78.4	78.4	78.4	78.6	78.6	78.6	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9
≥ 7000	7.1	84.0	84.5	84.5	84.5	84.6	84.6	84.6	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9
≥ 6000	7.4	84.9	85.4	85.6	85.6	85.7	85.7	85.7	85.9	85.9	86.1	86.1	86.1	86.1	86.1	86.1
≥ 5000	7.6	86.1	86.5	86.7	86.7	86.8	86.8	86.8	87.0	87.0	87.2	87.2	87.2	87.2	87.2	87.2
≥ 4500	7.6	86.1	86.5	86.7	86.7	86.8	86.8	86.8	87.0	87.0	87.2	87.2	87.2	87.2	87.2	87.2
≥ 4000	7.6	87.2	87.8	88.3	88.6	88.7	88.7	88.7	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1
≥ 3500	7.6	88.3	88.9	89.7	90.0	90.2	90.2	90.2	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.5
≥ 3000	7.6	88.9	89.7	90.8	91.6	91.8	91.9	91.9	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2
≥ 2500	7.6	90.0	91.3	93.2	94.8	95.1	95.7	95.9	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2
≥ 2000	7.6	90.6	92.1	94.1	95.9	96.8	97.8	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1800	7.6	90.6	92.1	94.1	95.9	96.8	97.8	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1500	7.6	90.8	92.2	94.3	96.0	97.0	97.9	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	7.6	90.8	92.2	94.3	96.0	97.0	97.9	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	7.6	90.8	92.2	94.3	96.0	97.0	97.9	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	7.6	90.8	92.2	94.3	96.0	97.0	97.9	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	7.6	91.0	92.4	94.5	96.2	97.1	98.4	98.9	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	7.6	91.0	92.4	94.5	96.2	97.1	98.4	98.9	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	7.6	91.1	92.6	94.6	96.4	97.3	98.6	99.0	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	7.6	91.1	92.6	94.6	96.4	97.3	98.6	99.0	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	7.6	91.1	92.6	94.6	96.4	97.3	98.6	99.0	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	7.6	91.1	92.6	94.6	96.4	97.3	98.6	99.0	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	7.6	91.1	92.6	94.6	96.4	97.3	98.6	99.0	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100	7.6	91.1	92.6	94.6	96.4	97.3	98.6	99.0	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5
≥ 0	7.6	91.1	92.6	94.6	96.4	97.3	98.6	99.0	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS

631

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42310
STATION

SONDRESTROM GL
STATION NAME

75-83
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2130-2300
HOURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	6.7	56.5	56.6	56.6	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 20000	6.0	58.1	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 18000	6.8	67.2	67.4	67.4	67.4	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 16000	7.0	67.4	67.5	67.5	67.5	67.7	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 14000	7.1	67.5	67.7	67.7	67.7	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 12000	7.1	67.7	67.9	67.9	67.9	68.0	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 10000	7.1	70.2	70.4	70.4	70.4	70.5	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 9000	7.3	72.0	72.2	72.4	72.4	72.5	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 8000	8.1	79.5	79.8	80.0	80.1	80.3	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 7000	8.4	84.9	85.4	85.6	85.8	85.9	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 6000	8.6	85.4	86.1	86.4	86.6	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 5000	8.8	85.6	86.4	86.8	86.9	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 4500	8.8	85.9	86.8	87.1	87.3	87.4	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 4000	8.8	86.8	87.9	88.2	88.4	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3500	8.9	87.3	88.4	88.7	88.9	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 3000	8.9	87.7	89.7	90.7	90.9	91.1	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2500	8.9	89.9	92.7	94.2	94.9	95.0	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 2000	8.9	91.6	94.5	96.2	97.2	97.4	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1800	8.9	91.6	94.5	96.2	97.2	97.4	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1500	8.9	91.6	94.5	96.4	97.4	97.5	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1200	8.9	91.6	94.5	96.4	97.4	97.5	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8
≥ 1000	8.9	91.6	94.5	96.4	97.4	97.5	98.3	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0
≥ 900	8.9	91.6	94.5	96.4	97.4	97.5	98.3	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0
≥ 800	8.9	91.6	94.5	96.4	97.4	97.5	98.3	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0
≥ 700	8.9	91.6	94.5	96.4	97.4	97.5	98.3	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0
≥ 600	8.9	91.6	94.5	96.4	97.4	97.5	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.5	99.5	99.5
≥ 500	8.9	91.6	94.5	96.4	97.4	97.5	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.5	99.5	99.5
≥ 400	8.9	91.6	94.5	96.4	97.4	97.5	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.5	99.5	99.5
≥ 300	8.9	91.6	94.5	96.4	97.4	97.5	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7
≥ 200	8.9	91.6	94.5	96.4	97.4	97.5	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.8	100.0	100.0
≥ 100	8.9	91.6	94.5	96.4	97.4	97.5	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.8	100.0	100.0
≥ 0	8.9	91.6	94.5	96.4	97.4	97.5	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 608

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42310 SONDRESTROM GL

75-83

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS 1-57

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	4.6	49.1	49.2	49.3	49.3	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.5	49.5
≥ 20000	4.6	51.1	51.2	51.3	51.3	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.5
≥ 18000	5.8	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.4	65.4
≥ 16000	5.8	65.4	65.6	65.6	65.6	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.9	65.9
≥ 14000	5.9	65.5	65.6	65.7	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.9	65.9	65.9
≥ 12000	5.9	66.1	66.3	66.3	66.3	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.6	66.6
≥ 10000	6.1	69.2	69.4	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.8	69.8
≥ 9000	6.3	70.9	71.1	71.2	71.2	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.5	71.5
≥ 8000	6.7	77.4	77.6	77.7	77.8	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.1	78.1
≥ 7000	7.3	83.5	83.8	84.1	84.3	84.3	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5
≥ 6000	7.5	84.4	84.8	85.1	85.2	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.5	85.5	85.5	85.5
≥ 5000	7.7	85.2	85.6	85.9	86.1	86.1	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3
≥ 4500	7.7	85.4	85.7	86.1	86.2	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.5	86.5	86.5	86.5
≥ 4000	7.8	86.3	86.8	87.3	87.5	87.6	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.9	87.9
≥ 3500	7.8	87.0	87.6	88.1	88.4	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.8	88.8
≥ 3000	7.9	88.5	89.5	90.4	90.9	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.3	91.3	91.3
≥ 2500	7.9	91.3	91.8	93.1	94.5	94.8	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2
≥ 2000	7.9	91.1	92.7	94.3	95.8	96.3	96.7	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.1	97.1
≥ 1800	7.9	91.3	92.9	94.4	96.1	96.5	96.9	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.3	97.3
≥ 1500	7.9	91.6	93.3	94.9	96.8	97.4	97.9	98.1	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4
≥ 1200	8.0	91.8	93.4	95.1	97.0	97.6	98.1	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6
≥ 1000	8.0	91.9	93.5	95.2	97.1	97.7	98.2	98.5	98.6	98.7	98.7	98.7	98.8	98.8	98.9	98.9
≥ 900	8.0	91.9	93.6	95.3	97.2	97.8	98.3	98.6	98.7	98.7	98.8	98.8	98.8	98.9	99.0	99.0
≥ 800	8.0	92.0	93.6	95.3	97.2	97.8	98.4	98.8	98.9	99.0	99.1	99.1	99.3	99.3	99.4	99.4
≥ 700	8.0	92.0	93.7	95.3	97.2	97.9	98.4	98.8	98.9	99.0	99.1	99.1	99.3	99.3	99.4	99.4
≥ 600	8.0	92.0	93.7	95.3	97.2	97.9	98.4	98.8	98.9	99.0	99.1	99.1	99.3	99.3	99.4	99.4
≥ 500	8.0	92.0	93.7	95.3	97.2	97.9	98.4	98.8	98.9	99.0	99.1	99.1	99.3	99.3	99.4	99.4
≥ 400	8.0	92.0	93.7	95.3	97.2	97.9	98.4	98.8	98.9	99.0	99.1	99.1	99.3	99.3	99.4	99.4
≥ 300	8.0	92.0	93.7	95.3	97.2	97.9	98.4	98.8	98.9	99.0	99.1	99.1	99.3	99.3	99.4	99.4
≥ 200	8.0	92.0	93.7	95.3	97.2	97.9	98.4	98.8	98.9	99.0	99.1	99.1	99.3	99.3	99.4	99.4
≥ 100	8.0	92.0	93.7	95.3	97.2	97.9	98.4	98.8	98.9	99.0	99.1	99.1	99.3	99.3	99.4	99.4
≥ 0	8.0	92.0	93.7	95.3	97.2	97.9	98.4	98.8	98.9	99.0	99.1	99.1	99.3	99.3	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 5010

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42310
STATION

SONDRESTROM GL
STATION NAME

75-83
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	4.6	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 20000	4.6	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 18000	5.4	64.2	64.4	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 16000	5.4	64.2	64.4	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 14000	5.4	64.2	64.4	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 12000	5.5	65.7	65.9	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 10000	5.8	72.1	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 9000	6.0	72.9	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 8000	6.6	80.8	81.2	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 7000	7.2	83.9	84.6	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2
IV 6000	7.3	85.8	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.2
IV 5000	7.3	87.5	88.2	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.8
IV 4500	7.3	88.2	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.6
IV 4000	7.5	89.7	90.6	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.4
IV 3500	7.6	90.3	91.2	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	92.0
IV 3000	7.6	91.1	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.8
IV 2500	7.9	92.5	93.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.6
IV 2000	7.9	93.7	94.8	96.1	96.1	96.6	97.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.1
IV 1800	7.9	94.0	95.1	96.4	96.6	97.0	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5
IV 1500	7.9	94.3	95.4	96.7	97.0	97.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6
IV 1200	7.9	94.5	95.5	96.9	97.2	97.6	98.8	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9
IV 1000	7.9	94.5	95.5	96.9	97.2	97.6	98.8	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.9	100.0
IV 900	7.9	94.5	95.5	96.9	97.2	97.6	98.8	99.6	99.6	99.7	99.7	99.7	99.7	99.9	99.9	100.0
IV 800	7.9	94.5	95.5	96.9	97.2	97.6	98.8	99.6	99.6	99.7	99.7	99.7	99.7	99.9	99.9	100.0
IV 700	7.9	94.5	95.5	96.9	97.2	97.6	98.8	99.6	99.6	99.7	99.7	99.7	99.7	99.9	99.9	100.0
IV 600	7.9	94.5	95.5	96.9	97.2	97.6	98.8	99.6	99.6	99.7	99.7	99.7	99.7	99.9	99.9	100.0
IV 500	7.9	94.5	95.5	96.9	97.2	97.6	98.8	99.6	99.6	99.7	99.7	99.7	99.7	99.9	99.9	100.0
IV 400	7.9	94.5	95.5	96.9	97.2	97.6	98.8	99.6	99.6	99.7	99.7	99.7	99.7	99.9	99.9	100.0
IV 300	7.9	94.5	95.5	96.9	97.2	97.6	98.8	99.6	99.6	99.7	99.7	99.7	99.7	99.9	99.9	100.0
IV 200	7.9	94.5	95.5	96.9	97.2	97.6	98.8	99.6	99.6	99.7	99.7	99.7	99.7	99.9	99.9	100.0
IV 100	7.9	94.5	95.5	96.9	97.2	97.6	98.8	99.6	99.6	99.7	99.7	99.7	99.7	99.9	99.9	100.0
IV 0	7.9	94.5	95.5	96.9	97.2	97.6	98.8	99.6	99.6	99.7	99.7	99.7	99.7	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 671

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

042310 SONDRESTROM GL

75-83

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2 1/2	≥2	≥1 1/2	≥1 1/4	≥1	≥3/4	≥1/2	≥1/4	≥1/8	≥1/16	≥0
NO CEILING	4.5	50.3	51.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 20000	4.5	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IN 18000	5.2	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IN 16000	5.2	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IN 14000	5.2	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IN 12000	5.2	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IN 10000	5.6	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IN 9000	5.8	71.1	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IN 8000	6.2	79.4	79.5	79.8	79.8	79.8	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IN 7000	6.8	84.3	84.6	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.2
IN 6000	6.8	85.3	85.6	86.1	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.4
IN 5000	6.8	87.1	87.4	87.8	87.8	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.1
IN 4500	6.8	87.4	87.8	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.6
IN 4000	6.8	89.0	89.5	89.9	89.9	89.9	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.2
IN 3500	6.8	90.5	90.9	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.7
IN 3000	7.1	92.3	93.1	93.6	93.6	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.9
IN 2500	7.1	93.5	94.2	94.8	94.8	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.1
IN 2000	7.1	95.4	96.1	96.7	97.2	97.2	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.4
IN 1800	7.1	95.7	96.4	97.0	97.5	97.5	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.7
IN 1500	7.1	95.7	96.4	97.0	97.8	97.8	98.5	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.4
IN 1200	7.1	95.7	96.4	97.0	97.8	97.8	98.5	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.4
IN 1000	7.1	95.7	96.4	97.0	97.8	97.8	98.5	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.4
IN 900	7.1	95.7	96.4	97.0	97.8	97.8	98.5	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.4
IN 800	7.1	95.7	96.4	97.0	97.8	97.8	98.5	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.4
IN 700	7.1	95.7	96.4	97.0	97.8	97.8	98.5	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.4
IN 600	7.1	95.7	96.4	97.0	97.8	97.8	98.5	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.4
IN 500	7.1	95.7	96.4	97.0	97.8	97.8	98.5	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.4
IN 400	7.1	95.7	96.4	97.0	97.8	97.8	98.5	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.4
IN 300	7.1	95.7	96.4	97.0	97.8	97.8	98.5	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.4
IN 200	7.1	95.7	96.4	97.0	97.8	97.8	98.5	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.4
IN 100	7.1	95.7	96.4	97.0	97.8	97.8	98.5	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.4
IN 0	7.1	95.7	96.4	97.0	97.8	97.8	98.5	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.4

TOTAL NUMBER OF OBSERVATIONS 674

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AID WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

742317
STATION

SONDRESTROM GL
STATION NAME

75-87
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	5.6	45.4	45.4	45.4	45.4	45.6	45.6	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 20000	6.7	51.1	51.1	51.1	51.1	51.3	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 18000	7.3	64.7	65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 16000	7.4	64.8	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 14000	7.4	64.8	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 12000	7.4	65.1	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 10000	7.4	69.5	69.8	69.8	69.8	69.9	69.9	69.9	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 9000	7.4	71.5	71.8	71.8	71.8	71.9	71.9	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 8000	7.5	78.2	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 7000	8.1	84.0	84.3	84.6	84.8	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 6000	8.4	85.6	85.9	86.2	86.3	86.5	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 5000	8.4	87.3	87.5	87.7	88.0	88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 4500	8.4	87.2	87.7	88.2	88.5	88.6	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 4000	8.5	88.7	89.5	90.3	90.6	90.7	90.7	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 3500	8.5	89.7	90.5	91.3	91.6	91.7	91.7	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 3000	8.5	91.5	92.5	93.6	94.0	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 2500	8.5	92.6	93.6	95.0	95.6	95.7	95.7	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 2000	8.5	93.7	95.0	96.4	97.3	97.7	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1800	8.5	94.2	95.4	96.9	97.7	98.1	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1500	8.7	94.6	95.9	97.3	98.1	98.9	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	8.7	94.7	96.1	97.4	98.3	99.0	99.3	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	8.7	94.7	96.1	97.4	98.3	99.0	99.3	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	8.7	94.7	96.1	97.4	98.3	99.0	99.3	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	8.7	94.7	96.0	97.4	98.3	99.0	99.3	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	8.7	94.7	96.0	97.4	98.3	99.0	99.3	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	8.7	94.7	96.0	97.4	98.3	99.0	99.3	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	8.7	94.7	96.0	97.4	98.3	99.0	99.3	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	8.7	94.7	96.0	97.4	98.3	99.0	99.3	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	8.7	94.7	96.0	97.4	98.3	99.0	99.3	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	8.7	94.7	96.0	97.4	98.3	99.0	99.3	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	8.7	94.7	96.0	97.4	98.3	99.0	99.3	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	8.7	94.7	96.0	97.4	98.3	99.0	99.3	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 702

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

042317
STATION

SONDRESTROM GL
STATION NAME

75-83
YEARS

MAP
NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	3.9	43.6	43.6	43.6	43.6	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 20000	3.9	47.6	47.8	47.8	47.8	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 18000	5.6	70.5	70.8	70.9	70.9	70.9	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 16000	5.8	70.6	70.9	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 14000	5.8	70.6	70.9	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 12000	5.8	70.9	71.2	71.3	71.3	71.3	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 10000	5.8	73.1	73.4	73.5	73.5	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 9000	5.9	74.2	74.5	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 8000	6.4	80.6	80.9	81.2	81.3	81.3	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 7000	6.8	83.4	84.1	84.5	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 6000	6.8	84.2	84.9	85.4	86.0	86.0	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 5000	6.9	85.7	86.7	87.3	87.8	87.8	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 4500	6.9	86.3	87.4	88.0	88.6	88.6	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 4000	7.1	87.4	89.1	89.9	90.4	90.6	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 3500	7.1	88.9	91.6	91.9	92.0	92.0	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 3000	7.1	91.7	91.9	93.1	93.9	94.2	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 2500	7.1	90.4	92.3	93.5	94.4	95.1	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2000	7.1	92.2	94.1	95.2	96.2	97.0	97.4	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1800	7.1	93.1	94.9	96.1	97.1	97.8	98.3	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	7.1	93.5	95.4	96.5	97.7	98.4	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	7.1	93.6	95.5	96.7	97.8	98.6	99.1	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	7.1	93.6	95.5	96.7	97.8	98.6	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	7.1	93.6	95.5	96.7	97.8	98.6	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	7.1	93.6	95.5	96.7	97.8	98.6	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	7.1	93.6	95.5	96.7	97.8	98.6	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	7.1	93.6	95.5	96.7	97.8	98.6	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	7.1	93.6	95.5	96.7	97.8	98.6	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	7.1	93.6	95.5	96.7	97.8	98.6	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	7.1	93.6	95.5	96.7	97.8	98.6	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	7.1	93.6	95.5	96.7	97.8	98.6	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	7.1	93.6	95.5	96.7	97.8	98.6	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	7.1	93.6	95.5	96.7	97.8	98.6	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 691

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42310
STATION

SONDRESTROM GL
STATION NAME

75-83
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS - LST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	3.5	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 20000	3.5	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
IV 18000	5.1	73.8	74.6	74.7	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 16000	5.1	74.0	74.9	75.0	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 14000	5.1	74.3	75.1	75.3	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 12000	5.1	75.0	75.8	76.0	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 10000	5.1	77.6	78.5	78.6	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 9000	5.1	79.0	79.9	80.0	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 8000	5.6	83.2	84.0	84.2	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 7000	6.1	87.5	88.5	89.2	89.4	89.7	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 6000	6.3	88.6	89.6	90.3	90.6	90.8	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 5000	6.3	89.4	90.4	91.1	91.4	91.7	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 4500	6.3	89.7	90.7	91.4	91.7	91.9	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 4000	6.3	91.4	92.5	93.2	93.5	93.8	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 3500	6.3	91.7	92.9	93.9	94.3	94.6	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 3000	6.3	92.1	93.3	94.3	94.9	95.3	95.5	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 2500	6.3	92.8	94.0	95.1	96.0	96.8	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 2000	6.3	94.0	95.3	96.4	97.2	98.2	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1800	6.3	94.2	95.4	96.5	97.4	98.3	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1500	6.3	94.3	95.7	96.8	97.6	98.6	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	6.3	94.3	95.7	96.8	97.6	98.6	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	6.3	94.3	95.7	96.8	97.6	98.6	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	6.3	94.3	95.7	96.8	97.6	98.6	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	6.3	94.3	95.7	96.8	97.6	98.6	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	6.3	94.3	95.7	96.8	97.6	98.6	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	6.3	94.3	95.7	96.8	97.6	98.6	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	6.3	94.3	95.7	96.8	97.6	98.6	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	6.3	94.3	95.7	96.8	97.6	98.6	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	6.3	94.3	95.7	96.8	97.6	98.6	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	6.3	94.3	95.7	96.8	97.6	98.6	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	6.3	94.3	95.7	96.8	97.6	98.6	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	6.3	94.3	95.7	96.8	97.6	98.6	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42310
STATION

SONDRESTROM GL
STATION NAME

75-83
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS U.S.T.

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.2	≥.16	≥.1
NO CEILING	4.5	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
IV 20000	4.8	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
IV 18000	6.4	74.5	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 16000	6.4	74.9	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 14000	6.4	74.9	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 12000	6.6	76.5	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 10000	7.1	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 9000	7.1	79.7	80.1	80.4	80.4	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 8000	7.3	85.2	85.6	86.1	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 7000	8.4	89.9	90.5	91.0	91.2	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 6000	8.4	91.1	91.6	92.2	92.3	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 5000	8.4	91.3	91.9	92.4	92.6	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 4500	8.4	91.6	92.2	92.7	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 4000	8.5	93.3	94.0	94.5	94.7	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 3500	8.5	94.1	94.8	95.4	95.5	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 3000	8.5	94.5	95.7	96.2	96.6	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 2500	8.7	95.0	96.1	96.6	97.1	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 2000	8.7	95.8	96.9	97.5	97.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1800	8.7	95.9	97.1	97.6	98.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	8.7	95.9	97.1	97.6	98.0	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	8.7	95.9	97.1	97.6	98.0	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	8.7	95.9	97.1	97.6	98.0	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	8.7	95.9	97.1	97.6	98.0	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	8.7	95.9	97.1	97.6	98.0	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	8.7	95.9	97.1	97.6	98.0	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	8.7	95.9	97.1	97.6	98.0	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	8.7	95.9	97.1	97.6	98.0	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	8.7	95.9	97.1	97.6	98.0	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	8.7	95.9	97.1	97.6	98.0	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	8.7	95.9	97.1	97.6	98.0	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	8.7	95.9	97.1	97.6	98.0	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	8.7	95.9	97.1	97.6	98.0	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

714

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42317
STATION

SONDRESTROM GL
STATION NAME

75-83
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1820-2000
HOURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	4.3	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 20000	4.9	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 18000	6.4	69.4	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 16000	6.4	69.4	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 14000	6.6	69.6	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 12000	6.7	71.6	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 10000	7.1	75.1	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 9000	7.3	76.1	76.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 8000	7.9	83.1	83.7	84.0	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 7000	8.3	87.4	88.1	88.4	88.6	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 6000	8.3	88.1	89.7	89.3	89.4	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 5000	8.3	89.1	90.0	90.3	90.4	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 4500	8.3	89.9	90.7	91.0	91.1	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 4000	8.3	91.1	92.1	92.6	92.9	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 3500	8.3	92.6	93.6	94.0	94.3	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 3000	8.3	93.4	94.7	95.1	95.9	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 2500	8.3	93.9	95.1	95.6	96.4	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 2000	8.3	94.6	95.9	96.3	97.3	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1800	8.3	95.1	96.4	96.9	97.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1500	8.3	95.3	96.6	97.0	98.0	99.0	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	8.3	95.3	96.6	97.0	98.0	99.0	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	8.3	95.3	96.6	97.0	98.0	99.0	99.1	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	8.3	95.3	96.6	97.0	98.0	99.0	99.1	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	8.3	95.3	96.6	97.0	98.0	99.0	99.1	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	8.3	95.3	96.6	97.0	98.0	99.0	99.1	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	8.3	95.3	96.6	97.0	98.0	99.0	99.1	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	8.3	95.3	96.6	97.0	98.0	99.0	99.1	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	8.3	95.3	96.6	97.0	98.0	99.0	99.1	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	8.3	95.3	96.6	97.0	98.0	99.0	99.1	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	8.3	95.3	96.6	97.0	98.0	99.0	99.1	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	8.3	95.3	96.6	97.0	98.0	99.0	99.1	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	8.3	95.3	96.6	97.0	98.0	99.0	99.1	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 700

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42310
STATION

SONDRESTROM GL
STATION NAME

75-83
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥0.01	≥0
NO CEILING	5.6	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 20000	5.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 18000	7.6	66.7	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 16000	7.6	66.7	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 14000	7.6	66.7	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 12000	7.6	67.5	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 10000	7.9	72.7	73.4	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 9000	8.0	73.7	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 8000	8.5	81.4	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 7000	9.1	83.0	83.9	84.8	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 6000	9.2	84.9	86.1	87.0	87.4	87.4	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 5000	9.5	86.5	87.6	88.6	89.0	89.0	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 4500	9.5	87.0	88.0	89.0	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 4000	9.5	87.6	88.6	89.6	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 3500	9.5	88.6	89.9	91.1	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 3000	9.5	89.5	91.1	92.3	93.1	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2500	9.5	90.4	92.1	93.4	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 2000	9.5	92.0	93.7	95.0	96.1	96.8	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1800	9.5	92.3	94.0	95.3	96.3	97.1	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1500	9.5	92.7	94.4	95.8	96.8	97.5	98.4	99.3	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 1200	9.5	92.7	94.4	95.8	96.8	97.5	98.4	99.3	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 1000	9.5	92.7	94.4	95.8	96.8	97.5	98.4	99.3	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 900	9.5	92.7	94.4	95.8	96.8	97.5	98.4	99.3	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 800	9.5	92.7	94.4	95.8	96.8	97.5	98.4	99.3	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 700	9.5	92.7	94.4	95.8	96.8	97.5	98.4	99.3	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 600	9.5	92.7	94.4	95.8	96.8	97.5	98.4	99.3	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 500	9.5	92.7	94.4	95.8	96.8	97.5	98.4	99.3	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 400	9.5	92.7	94.4	95.8	96.8	97.5	98.4	99.3	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 300	9.5	92.7	94.4	95.8	96.8	97.5	98.4	99.3	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 200	9.5	92.7	94.4	95.8	96.8	97.5	98.4	99.3	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 100	9.5	92.7	94.4	95.8	96.8	97.5	98.4	99.3	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 0	9.5	92.7	94.4	95.8	96.8	97.5	98.4	99.3	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

624

USAF ETAC

FORM 101-64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42310
STATION

SONDRESTROM GL
STATION NAME

75-83
YEARS

MAP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING ≥ 20000	4.5	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 18000	4.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 16000	6.1	68.4	68.8	68.9	69.1	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 14000	6.2	68.6	68.9	69.1	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 12000	6.2	69.7	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 10000	6.5	73.5	73.9	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 9000	6.6	74.8	75.2	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 8000	7.0	81.5	82.1	82.3	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 7000	7.6	85.5	86.1	86.6	86.8	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 6000	7.7	86.8	87.4	88.0	88.2	88.4	88.4	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 5000	7.7	88.0	88.7	89.3	89.5	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 4500	7.7	88.4	89.2	89.8	90.0	90.2	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 4000	7.8	89.8	90.8	91.4	91.7	91.9	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 3500	7.8	90.8	91.8	92.5	92.8	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.3
≥ 3000	7.8	91.8	93.0	93.9	94.4	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 2500	7.9	92.6	93.9	94.8	95.4	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2
≥ 2000	7.9	93.9	95.2	96.2	96.9	97.6	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5
≥ 1800	7.9	94.3	95.6	96.6	97.3	98.0	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1500	7.9	94.5	95.9	96.9	97.6	98.4	99.0	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 1200	7.9	94.6	95.9	96.9	97.7	98.4	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ 1000	7.9	94.6	95.9	96.9	97.7	98.4	99.1	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0
≥ 900	7.9	94.6	95.9	96.9	97.7	98.4	99.1	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0
≥ 800	7.9	94.6	95.9	96.9	97.7	98.4	99.1	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0
≥ 700	7.9	94.6	95.9	96.9	97.7	98.4	99.1	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0
≥ 600	7.9	94.6	95.9	96.9	97.7	98.4	99.1	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0
≥ 500	7.9	94.6	95.9	96.9	97.7	98.4	99.1	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0
≥ 400	7.9	94.6	95.9	96.9	97.7	98.4	99.1	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0
≥ 300	7.9	94.6	95.9	96.9	97.7	98.4	99.1	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0
≥ 200	7.9	94.6	95.9	96.9	97.7	98.4	99.1	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0
≥ 100	7.9	94.6	95.9	96.9	97.7	98.4	99.1	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0
≥ 0	7.9	94.6	95.9	96.9	97.7	98.4	99.1	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 5556

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42310 SONDRESTROM GL

75-83

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS - CST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	3.1	44.1	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 20000	7.2	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 18000	4.1	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 16000	4.3	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 14000	4.3	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 12000	4.3	58.5	58.8	58.9	58.9	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 10000	4.3	62.3	62.6	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	63.2	63.2	63.2	63.2
≥ 9000	4.4	63.6	63.9	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.5	64.5	64.5	64.5
≥ 8000	4.8	71.3	71.8	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.4	72.4	72.4	72.4
≥ 7000	6.1	78.2	78.9	79.0	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.5	79.5	79.5	79.5
≥ 6000	6.2	81.1	81.8	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.4	82.4	82.4	82.4
≥ 5000	6.3	81.8	82.8	83.0	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.6	83.6	83.6	83.6
≥ 4500	6.3	82.1	83.1	83.3	83.4	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.9	83.9	83.9	83.9
≥ 4000	6.3	82.6	83.6	83.7	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.3	84.3	84.3	84.3
≥ 3500	6.5	85.3	86.4	86.5	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	87.1	87.1	87.1	87.1
≥ 3000	6.5	87.7	89.7	89.3	89.6	89.6	89.9	89.9	89.9	89.9	89.9	89.9	90.2	90.2	90.2	90.2
≥ 2500	6.5	89.1	91.5	92.1	92.4	92.5	92.8	92.8	92.8	92.8	92.8	92.8	93.1	93.1	93.1	93.1
≥ 2000	6.6	90.8	93.1	93.8	94.4	94.7	95.3	95.5	95.5	95.5	95.5	95.5	95.7	95.7	95.7	95.7
≥ 1800	6.6	91.2	93.5	94.3	94.9	95.3	96.0	96.3	96.3	96.3	96.3	96.3	96.6	96.6	96.6	96.6
≥ 1500	6.6	92.2	94.6	95.5	96.2	96.8	97.8	98.5	98.5	98.5	98.5	98.5	98.8	98.8	98.8	98.8
≥ 1200	6.6	92.2	94.6	95.5	96.2	96.8	97.8	98.8	99.1	99.1	99.1	99.1	99.4	99.4	99.4	99.4
≥ 1000	6.6	92.2	94.6	95.5	96.2	96.8	97.8	98.8	99.1	99.3	99.3	99.3	99.6	99.6	99.6	99.6
≥ 900	6.6	92.2	94.6	95.5	96.2	96.8	97.8	98.8	99.1	99.3	99.3	99.3	99.6	99.6	99.6	99.6
≥ 800	6.6	92.4	94.7	95.6	96.3	96.9	97.9	99.0	99.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7
≥ 700	6.6	92.4	94.7	95.6	96.3	96.9	97.9	99.0	99.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7
≥ 600	6.6	92.4	94.7	95.6	96.3	96.9	97.9	99.0	99.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7
≥ 500	6.6	92.4	94.7	95.6	96.3	96.9	97.9	99.0	99.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7
≥ 400	6.6	92.4	94.7	95.6	96.3	96.9	97.9	99.0	99.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7
≥ 300	6.6	92.4	94.7	95.6	96.3	96.9	97.9	99.0	99.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7
≥ 200	6.6	92.4	94.7	95.6	96.3	96.9	97.9	99.0	99.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7
≥ 100	6.6	92.4	94.7	95.6	96.3	96.9	97.9	99.0	99.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7
≥ 0	6.6	92.4	94.7	95.6	96.3	96.9	97.9	99.0	99.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

682

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

142310
STATION

SONDRESTROM GL
STATION NAME

75-83
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	2.5	41.2	41.2	40.2	40.2	40.2	40.2	40.2	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 20000	2.5	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 18000	3.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 16000	3.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 14000	3.1	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 12000	3.1	53.9	54.2	54.2	54.4	54.4	54.4	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 10000	3.5	57.4	57.7	57.7	57.9	57.9	57.9	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 9000	3.5	58.2	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 8000	3.8	67.9	68.2	68.2	68.4	68.4	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 7000	4.4	75.4	75.8	76.1	76.2	76.2	76.2	76.2	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 6000	4.4	78.6	79.2	79.6	79.7	79.7	79.7	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 5000	4.4	80.2	80.8	81.2	81.5	81.5	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 4500	4.5	80.3	80.9	81.3	81.6	81.6	81.6	81.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 4000	4.5	81.6	82.7	83.2	83.5	83.5	83.5	83.5	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 3500	4.7	84.0	85.4	86.2	86.4	86.4	86.4	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 3000	4.8	87.3	89.2	89.9	90.4	90.7	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 2500	4.8	88.5	91.4	91.3	91.8	92.4	92.4	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2000	4.8	90.2	92.1	93.4	94.5	95.5	95.8	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800	4.8	90.5	92.4	93.7	94.8	95.8	96.1	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1500	5.1	92.1	94.3	95.8	96.8	97.8	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1200	5.1	92.1	94.5	95.9	96.9	98.0	98.5	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	5.1	92.1	94.5	95.9	96.9	98.0	98.5	98.7	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	5.1	92.1	94.5	95.9	96.9	98.0	98.5	98.7	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	5.1	92.1	94.5	95.9	96.9	98.0	98.5	98.7	99.0	99.3	99.4	99.4	99.4	99.6	99.6	99.6
≥ 700	5.1	92.1	94.5	95.9	96.9	98.0	98.5	98.7	99.0	99.3	99.4	99.4	99.4	99.6	99.6	99.6
≥ 600	5.1	92.1	94.5	95.9	96.9	98.0	98.5	98.7	99.0	99.3	99.4	99.4	99.4	99.6	99.6	99.6
≥ 500	5.1	92.1	94.5	95.9	96.9	98.0	98.5	98.7	99.0	99.3	99.4	99.4	99.4	99.6	99.6	99.6
≥ 400	5.1	92.1	94.5	95.9	96.9	98.0	98.5	98.7	99.0	99.3	99.4	99.4	99.4	99.6	99.6	99.6
≥ 300	5.1	92.1	94.5	95.9	96.9	98.0	98.5	98.7	99.0	99.3	99.4	99.4	99.4	99.6	99.6	99.6
≥ 200	5.1	92.1	94.5	96.1	97.1	98.1	98.7	98.8	99.1	99.4	99.6	99.6	99.7	99.9	99.9	99.9
≥ 100	5.1	92.1	94.5	96.1	97.1	98.1	98.7	98.8	99.1	99.4	99.6	99.6	99.7	99.9	99.9	100.0
≥ 0	5.1	92.1	94.5	96.1	97.1	98.1	98.7	98.8	99.1	99.4	99.6	99.6	99.7	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

686

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 142310 SONDRESTROM GL

75-83

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS - LST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .025	≥ 0
NO CEILING	2.5	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
≥ 20000	2.6	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
IV 18000	3.8	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.9	56.9	56.9
IV 16000	3.8	57.0	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.5	57.5	57.5
IV 14000	3.8	57.0	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.5	57.5	57.5
IV 12000	3.9	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.9	57.9	57.9
IV 10000	4.2	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	63.0	63.0	63.0
IV 9000	4.4	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	64.0	64.0	64.0
IV 8000	4.5	70.0	70.1	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	71.0	71.0	71.0
IV 7000	5.5	78.5	78.7	79.7	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.3	80.3	80.3
IV 6000	6.1	82.0	82.1	83.2	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.7	83.7	83.7
IV 5000	6.1	83.3	83.5	84.5	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.2	85.2	85.2
IV 4500	6.1	83.7	83.9	84.9	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.8	85.8	85.8
IV 4000	6.2	85.1	85.3	86.4	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.2	87.2	87.2
IV 3500	6.2	86.2	86.6	87.7	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.5	88.5	88.5
IV 3000	6.4	89.3	91.0	91.6	92.5	92.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.5	93.5	93.5
IV 2500	6.4	90.6	91.3	93.0	94.0	94.6	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.4	95.4	95.4
IV 2000	6.4	91.9	92.7	94.8	96.1	96.7	97.4	97.7	97.7	97.7	97.7	97.7	97.7	98.0	98.0	98.0
IV 1800	6.4	92.6	93.5	95.5	96.8	97.4	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.7	98.7	98.7
IV 1500	6.4	93.3	94.2	96.2	97.5	98.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7
IV 1200	6.4	93.3	94.2	96.2	97.5	98.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7
IV 1000	6.4	93.3	94.2	96.2	97.5	98.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7
IV 900	6.4	93.3	94.2	96.2	97.5	98.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7
IV 800	6.4	93.3	94.2	96.2	97.5	98.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7
IV 700	6.5	93.5	94.3	96.4	97.7	98.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	100.0	100.0	100.0
IV 600	6.5	93.5	94.3	96.4	97.7	98.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	100.0	100.0	100.0
IV 500	6.5	93.5	94.3	96.4	97.7	98.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	100.0	100.0	100.0
IV 400	6.5	93.5	94.3	96.4	97.7	98.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	100.0	100.0	100.0
IV 300	6.5	93.5	94.3	96.4	97.7	98.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	100.0	100.0	100.0
IV 200	6.5	93.5	94.3	96.4	97.7	98.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	100.0	100.0	100.0
IV 100	6.5	93.5	94.3	96.4	97.7	98.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	100.0	100.0	100.0
IV 0	6.5	93.5	94.3	96.4	97.7	98.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 689

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42310
STATION

SONDRESTROM GL
STATION NAME

75-83
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS U.S.T.

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	3.1	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 20000	3.4	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9
IV 18000	4.0	62.8	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 16000	4.0	62.9	63.5	63.8	63.8	63.8	63.8	63.8	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 14000	4.0	63.1	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 12000	4.0	63.5	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 10000	4.3	66.5	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 9000	4.5	68.0	68.8	69.0	69.0	69.2	69.2	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 8000	4.6	72.2	72.9	73.4	73.4	73.5	73.5	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 7000	5.8	79.9	81.0	82.0	82.0	82.1	82.1	82.1	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 6000	6.3	83.0	84.1	85.1	85.1	85.6	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 5000	6.4	84.5	85.6	86.6	86.8	87.4	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 4500	6.4	85.0	86.0	87.1	87.2	87.8	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 4000	6.4	86.2	87.2	88.2	88.5	89.1	89.1	89.1	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 3500	6.4	87.1	88.2	89.3	89.6	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 3000	6.5	89.9	91.2	92.4	92.7	93.3	93.3	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 2500	6.5	91.2	92.9	94.2	94.8	95.4	95.7	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 2000	6.5	92.7	94.5	96.1	96.9	97.5	97.8	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1800	6.5	93.0	94.8	96.4	97.2	97.8	98.1	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1500	6.5	93.6	95.4	97.2	97.9	98.5	98.8	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	6.5	93.8	95.5	97.3	98.1	98.7	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1000	6.5	93.8	95.8	97.6	98.4	99.0	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	6.5	93.8	95.8	97.6	98.4	99.0	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	6.5	93.8	95.8	97.6	98.4	99.0	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	6.5	93.8	95.8	97.6	98.4	99.0	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	6.5	93.8	95.8	97.6	98.4	99.0	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	6.5	93.8	95.8	97.6	98.4	99.0	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	6.5	93.8	95.8	97.6	98.4	99.0	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	6.5	93.8	95.8	97.6	98.4	99.0	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	6.5	93.8	95.8	97.6	98.4	99.0	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	6.5	93.8	95.8	97.6	98.4	99.0	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	6.5	93.8	95.8	97.6	98.4	99.0	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 672

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

042317 SONDRESTROM GL

75-87

ADP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	2.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 20000	2.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 18000	3.9	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 16000	3.9	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 14000	4.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 12000	4.1	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 10000	4.2	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 9000	4.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 8000	4.7	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 7000	5.4	81.8	81.9	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 6000	5.7	84.5	84.7	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 5000	5.8	85.7	85.9	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 4500	5.8	86.3	86.4	87.0	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 4000	5.8	88.5	88.6	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 3500	6.1	90.2	90.4	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 3000	6.1	92.9	93.1	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 2500	6.1	94.0	94.3	95.2	95.2	95.9	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 2000	6.1	95.0	95.3	96.2	96.2	96.9	97.7	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1800	6.1	95.0	95.3	96.2	96.2	96.9	97.7	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1500	6.1	95.0	95.3	96.2	96.2	96.9	97.7	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1200	6.1	95.5	95.8	96.6	96.6	97.4	98.1	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	6.1	95.5	95.8	96.6	96.6	97.4	98.1	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 900	6.1	95.5	95.8	96.6	96.6	97.4	98.1	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	6.1	95.5	95.8	96.6	96.6	97.4	98.1	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	6.1	95.5	95.8	96.6	96.6	97.4	98.1	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	6.1	95.5	95.8	96.6	96.6	97.4	98.1	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	6.1	95.5	95.8	96.6	96.6	97.4	98.1	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	6.1	95.5	95.8	96.6	96.6	97.4	98.1	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	6.1	95.5	95.8	96.6	96.6	97.4	98.3	99.1	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
IV 200	6.1	95.5	95.8	96.6	96.6	97.4	98.4	99.3	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	6.1	95.5	95.8	96.6	96.6	97.4	98.4	99.3	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	6.1	95.5	95.8	96.6	96.6	97.4	98.4	99.3	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 686

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

042317
STATION

SONDRESTROM GL
STATION NAME

75-83
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING	2.8	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 20000	2.9	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 18000	4.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 16000	4.1	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 14000	4.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 12000	4.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 10000	4.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 9000	4.2	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 8000	4.7	75.6	75.7	75.9	75.9	75.9	76.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 7000	5.5	80.5	80.8	81.1	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 6000	5.5	81.8	82.1	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 5000	5.5	83.7	84.7	84.4	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 4500	5.5	84.0	84.3	84.7	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 4000	5.5	87.5	87.8	88.2	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3500	5.5	89.1	89.4	89.8	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3000	5.5	91.9	92.3	92.9	93.2	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 2500	5.7	93.0	93.8	94.5	94.8	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 2000	5.7	93.9	94.6	95.5	95.8	97.1	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1800	5.7	94.0	94.8	95.6	95.9	97.2	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1500	5.7	94.0	94.8	95.6	96.1	97.4	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200	5.7	94.3	95.1	95.9	96.4	97.7	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	5.7	94.3	95.1	95.9	96.4	97.7	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	5.7	94.3	95.1	95.9	96.4	97.7	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	5.7	94.5	95.2	96.1	96.5	97.8	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	5.8	94.6	95.3	96.2	96.7	98.0	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	5.8	94.6	95.3	96.2	96.7	98.0	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	5.8	94.6	95.3	96.2	96.7	98.0	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	5.8	94.6	95.3	96.2	96.7	98.0	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	5.8	94.6	95.3	96.2	96.7	98.0	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	5.8	94.6	95.3	96.2	96.7	98.0	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	5.8	94.6	95.3	96.2	96.7	98.0	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	5.8	94.6	95.3	96.2	96.7	98.0	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 688

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

042310
STATION

SONDRESTROM GL
STATION NAME

75-83
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-2000
HOURS - SY

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	3.6	46.2	46.2	46.2	46.2	46.2	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 20000	3.6	48.8	48.8	48.8	48.8	48.8	48.8	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
IV 18000	5.1	61.4	61.4	61.4	61.4	61.4	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 16000	5.1	62.6	62.6	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 14000	5.1	63.2	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 12000	5.1	64.7	64.7	64.7	64.7	64.7	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 10000	5.3	69.2	69.2	69.2	69.2	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 9000	5.6	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 8000	6.4	76.6	76.6	76.6	76.6	76.6	76.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 7000	7.1	81.4	81.5	81.6	81.6	81.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 6000	7.2	83.5	83.7	83.8	83.8	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 5000	7.2	85.4	85.5	85.7	85.7	85.7	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 4500	7.2	85.7	85.8	86.0	86.0	86.0	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 4000	7.4	89.5	89.6	89.7	89.7	89.7	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 3500	7.4	89.9	90.0	90.2	90.2	90.2	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 3000	7.4	91.3	91.6	91.8	92.1	92.1	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 2500	7.4	92.9	93.8	93.5	94.1	94.2	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 2000	7.5	93.9	94.4	94.7	95.2	95.8	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1800	7.5	94.1	94.5	94.8	95.4	96.0	96.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1500	7.5	94.1	94.5	94.8	95.5	96.2	96.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1200	7.5	94.1	94.5	94.8	95.5	96.4	97.1	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1000	7.5	94.5	94.9	95.2	96.0	96.8	97.5	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 900	7.5	94.5	94.9	95.2	96.0	96.8	97.7	99.1	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	7.5	94.5	94.9	95.2	96.0	96.8	97.7	99.1	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	7.5	94.5	94.9	95.2	96.0	96.8	97.7	99.1	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	7.5	94.5	94.9	95.2	96.0	96.8	97.7	99.1	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	7.5	94.5	94.9	95.2	96.0	96.8	97.7	99.1	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	7.5	94.5	94.9	95.2	96.0	96.8	97.7	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	7.5	94.5	94.9	95.2	96.0	96.8	97.8	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0
IV 200	7.5	94.5	94.9	95.2	96.0	96.8	97.8	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0
IV 100	7.5	94.5	94.9	95.2	96.0	96.8	97.8	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0
IV 0	7.5	94.5	94.9	95.2	96.0	96.8	97.8	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 692

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

042310
STATION

SONDRESTROM GL
STATION NAME

75-93
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS - LST

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥0
NO CEILING ≥ 20000	2.5	40.3	47.3	40.3	47.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 18000	2.6	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 18000	3.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 16000	3.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 14000	3.7	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 12000	3.7	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 10000	4.0	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 9000	4.1	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 8000	4.4	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 7000	5.4	79.6	79.9	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 6000	5.6	82.0	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 5000	5.9	84.2	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 4500	5.9	84.8	85.3	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 4000	5.9	85.9	86.5	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 3500	5.9	87.5	88.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 3000	5.9	90.0	90.8	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 2500	6.7	91.8	92.7	93.1	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 2000	6.0	92.8	93.7	94.1	94.7	95.5	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1800	6.0	93.1	94.0	94.4	95.0	95.9	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1500	6.0	93.5	94.4	94.9	95.7	96.6	96.8	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1200	6.7	93.5	94.4	94.9	95.7	96.6	96.8	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1000	6.7	93.5	94.4	95.3	96.2	97.2	97.4	98.2	98.5	98.8	99.0	99.0	99.0	99.0	99.0
IV 900	6.7	93.5	94.4	95.3	96.2	97.2	97.5	98.4	98.7	99.0	99.1	99.1	99.1	99.1	99.1
IV 800	6.0	93.5	94.4	95.3	96.2	97.4	97.7	98.5	99.0	99.4	99.6	99.6	99.6	99.6	99.6
IV 700	6.7	93.5	94.4	95.3	96.2	97.4	97.7	98.5	99.0	99.4	99.7	99.7	99.7	99.7	99.7
IV 600	6.0	93.5	94.4	95.3	96.2	97.4	97.7	98.5	99.0	99.4	99.7	99.7	99.7	99.7	99.7
IV 500	6.7	93.5	94.4	95.3	96.2	97.4	97.7	98.5	99.0	99.4	99.7	99.7	99.7	99.7	99.7
IV 400	6.0	93.5	94.4	95.3	96.2	97.4	97.7	98.5	99.0	99.4	99.7	99.7	99.7	99.7	99.7
IV 300	6.0	93.5	94.4	95.3	96.2	97.4	97.7	98.5	99.0	99.4	99.7	99.7	99.7	99.7	99.7
IV 200	6.0	93.5	94.4	95.3	96.2	97.4	97.7	98.7	99.1	99.6	99.9	99.9	99.9	99.9	99.9
IV 100	6.0	93.5	94.4	95.3	96.2	97.4	97.7	98.7	99.1	99.7	100.0	100.0	100.0	100.0	100.0
IV 0	6.7	93.5	94.4	95.3	96.2	97.4	97.7	98.7	99.1	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 682

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42312 SONDRESTROM GL

75-83

APP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING FEET	VISIBILITY - STATUTE MILES:															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	2.9	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.9	42.9	42.9	42.9
≥ 20000	3.2	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5
IV 18000	4.7	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3
IV 16000	4.7	60.5	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.8	60.8	60.8
IV 14000	4.0	60.8	60.9	60.9	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1	61.1
IV 12000	4.7	61.5	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9
IV 10000	4.2	65.1	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5
IV 9000	4.4	66.7	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1
IV 8000	4.7	72.8	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 7000	5.6	79.4	79.8	80.2	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.5
IV 6000	5.9	81.9	82.4	82.8	82.9	83.0	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 5000	6.7	83.6	84.1	84.6	84.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0
IV 4500	6.0	84.0	84.5	85.0	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4
IV 4000	6.3	85.8	86.4	86.9	87.1	87.2	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.5	87.5	87.5
IV 3500	6.1	87.4	88.1	88.6	88.8	88.9	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 3000	6.1	90.0	90.9	91.6	92.0	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.5	92.5	92.5	92.5
IV 2500	6.2	91.4	92.5	93.4	93.9	94.3	94.5	94.7	94.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8
IV 2000	6.2	92.7	93.8	94.8	95.6	96.3	96.8	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2
IV 1800	6.2	93.0	94.1	95.1	95.9	96.6	97.2	97.4	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6
IV 1500	6.2	93.5	94.7	95.8	96.6	97.4	98.1	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9
IV 1200	6.2	93.6	94.8	95.9	96.7	97.5	98.3	98.9	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2
IV 1000	6.2	93.7	94.9	96.0	96.9	97.7	98.4	99.1	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5
IV 900	6.2	93.7	94.9	96.0	96.9	97.7	98.5	99.1	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	6.2	93.7	94.9	96.1	96.9	97.8	98.5	99.2	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7
IV 700	6.3	93.7	95.0	96.1	97.0	97.8	98.6	99.2	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7
IV 600	6.3	93.7	95.0	96.1	97.0	97.8	98.6	99.2	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7
IV 500	6.3	93.7	95.0	96.1	97.0	97.8	98.6	99.3	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8
IV 400	6.3	93.7	95.0	96.1	97.0	97.8	98.6	99.3	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8
IV 300	6.3	93.7	95.0	96.1	97.0	97.9	98.6	99.4	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9
IV 200	6.3	93.7	95.0	96.1	97.0	97.9	98.6	99.4	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9
IV 100	6.3	93.7	95.0	96.1	97.0	97.9	98.6	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0
IV 0	6.3	93.7	95.0	96.1	97.0	97.9	98.6	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

5477

USAF ETAC FORM 10-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 42310 SONDRESTROM GL

75-83

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS - LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	3.2	4.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 20000	3.5	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 18000	4.7	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 16000	4.7	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 14000	4.7	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 12000	4.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 10000	5.4	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 9000	5.5	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 8000	5.7	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 7000	6.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 6000	7.1	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 5000	7.3	72.6	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 4500	7.4	75.3	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 4000	8.0	80.6	81.2	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 3500	8.4	84.3	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3000	8.9	87.8	88.4	89.1	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 2500	9.1	90.1	90.8	92.1	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 2000	9.2	92.0	92.9	94.3	95.3	95.5	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1800	9.2	92.1	93.0	94.5	95.5	95.6	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1500	9.3	92.9	93.7	95.3	96.5	96.9	97.7	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200	9.3	93.0	93.9	95.5	96.7	97.1	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000	9.3	93.0	94.0	95.6	96.9	97.4	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900	9.3	93.0	94.0	95.6	96.9	97.4	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	9.3	93.0	94.0	95.6	96.9	97.4	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	9.3	93.0	94.0	95.6	96.9	97.4	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	9.3	93.0	94.0	95.6	96.9	97.4	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	9.3	93.0	94.0	95.6	96.9	97.5	98.7	99.1	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	9.3	93.0	94.0	95.6	96.9	97.5	98.7	99.1	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	9.3	93.0	94.0	95.6	96.9	97.5	98.7	99.1	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	9.3	93.2	94.2	95.8	97.1	97.7	98.8	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	9.3	93.2	94.2	95.8	97.1	97.7	98.8	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	9.3	93.2	94.2	95.8	97.1	97.7	98.8	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

687

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42710
STATION

SONDRESTROM GL
STATION NAME

75-87
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.16	≥.4	≥0
NO CEILING	4.2	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 20000	4.2	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
≥ 18000	4.8	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 16000	4.8	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 14000	4.8	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 12000	4.8	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 10000	5.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 9000	5.7	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 8000	6.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 7000	6.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 6000	6.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 5000	6.7	69.3	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 4500	6.7	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 4000	7.0	77.9	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 3500	7.3	81.9	81.2	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 3000	8.0	84.6	85.3	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 2500	8.7	87.8	88.8	89.2	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 2000	9.2	91.0	92.0	92.7	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1800	9.3	91.8	92.9	93.6	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1500	9.3	92.3	93.3	94.2	95.9	96.4	96.7	96.7	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1200	9.5	93.3	94.0	94.9	96.8	97.2	97.5	97.5	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	9.5	93.7	94.0	95.1	96.9	97.5	98.0	98.4	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	9.5	93.0	94.0	95.1	96.9	97.5	98.0	98.4	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	9.5	93.0	94.0	95.3	97.2	97.8	98.3	98.7	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	9.5	93.0	94.0	95.3	97.2	97.8	98.3	98.7	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	9.5	93.0	94.0	95.3	97.2	97.8	98.3	98.7	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	9.5	93.0	94.0	95.3	97.2	97.8	98.4	99.0	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	9.5	93.0	94.0	95.3	97.2	97.8	98.4	99.0	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	9.5	93.2	94.2	95.5	97.4	98.0	98.5	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	9.5	93.2	94.2	95.5	97.4	98.0	98.5	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	9.5	93.2	94.2	95.5	97.4	98.0	98.5	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	9.5	93.2	94.2	95.5	97.4	98.0	98.5	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 687

AD-A146 919

SONDRESTROM AB GREENLAND REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSER..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. JUL 84

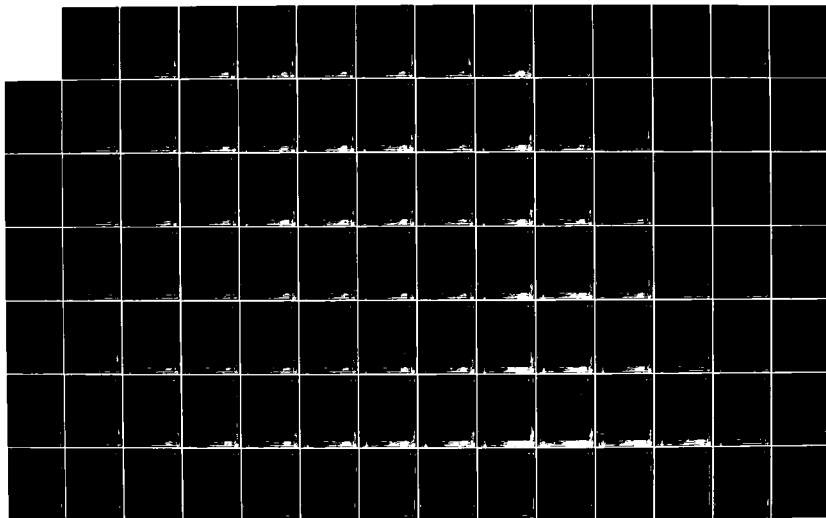
3/5

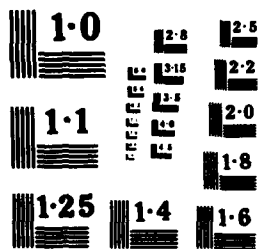
UNCLASSIFIED

USAFETAC/DS-84/021 SBI-AD-E850 745

F/G 4/2

NL





GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42317 SONDRESTROM GL

75-83

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3600-0800
HOURS (EST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	3.6	39.2	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 20000	3.7	41.2	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 18000	4.6	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 16000	4.6	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 14000	4.6	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 12000	4.7	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 10000	4.7	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.9	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 9000	4.7	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 8000	5.0	61.2	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 7000	5.3	65.7	65.8	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 6000	5.4	67.7	67.7	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 5000	5.7	71.8	71.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 4500	5.9	72.4	72.5	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 4000	6.4	77.4	77.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 3500	6.6	79.8	80.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3000	7.4	85.4	86.1	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2500	8.7	92.7	92.7	91.4	91.8	92.7	92.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 2000	8.4	91.4	92.6	94.3	95.0	95.1	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1800	8.6	92.8	94.0	95.7	96.4	96.6	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1500	8.7	93.3	94.4	96.1	96.9	97.1	97.6	97.9	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1
≥ 1200	8.7	93.7	94.8	96.6	97.3	97.6	98.0	98.4	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7
≥ 1000	8.7	94.7	95.1	96.9	97.6	98.0	98.4	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1
≥ 900	8.7	94.0	95.1	96.9	97.6	98.0	98.4	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1
≥ 800	8.7	94.1	95.3	97.0	97.7	98.1	98.6	99.0	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	8.7	94.1	95.3	97.0	97.7	98.1	98.6	99.0	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	8.7	94.3	95.4	97.1	97.9	98.3	98.7	99.1	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	8.7	94.3	95.4	97.3	98.0	98.4	98.9	99.4	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	8.7	94.3	95.4	97.3	98.0	98.4	98.9	99.4	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	8.7	94.3	95.4	97.3	98.0	98.4	98.9	99.4	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	8.7	94.3	95.4	97.3	98.0	98.4	98.9	99.4	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	8.7	94.3	95.4	97.3	98.0	98.4	98.9	99.4	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	8.7	94.3	95.4	97.3	98.0	98.4	98.9	99.4	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 699

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

042317
STATION

SONDRESTROM GL
STATION NAME

75-87
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ 0
NO CEILING	3.7	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 20000	4.7	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 18000	4.6	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 16000	4.6	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 14000	4.7	60.3	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 12000	4.7	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 10000	5.4	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 9000	5.6	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 8000	6.0	67.9	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 7000	6.2	71.3	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 6000	6.2	72.5	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 5000	6.4	74.9	75.1	75.2	75.2	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 4500	6.4	76.4	76.5	76.6	76.6	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 4000	6.9	79.8	80.1	80.2	80.2	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 3500	7.2	82.7	83.0	83.1	83.1	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 3000	7.7	88.7	89.1	89.3	89.7	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 2500	8.3	91.4	92.0	92.3	92.7	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 2000	8.6	94.6	95.4	95.8	96.8	97.1	97.4	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1800	8.7	95.4	96.3	96.7	97.9	98.1	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1500	8.7	95.7	96.7	97.1	98.3	98.6	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1200	8.7	95.7	96.7	97.1	98.3	98.6	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1000	8.7	95.7	96.7	97.1	98.3	98.6	99.0	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	8.7	95.7	96.7	97.1	98.3	98.6	99.0	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	8.7	95.7	96.7	97.1	98.3	98.6	99.1	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	8.7	95.8	96.8	97.3	98.4	98.7	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	8.7	95.8	96.8	97.3	98.4	98.7	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	8.7	95.8	96.8	97.3	98.4	98.7	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	8.7	95.8	96.8	97.3	98.4	98.7	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	8.7	95.8	96.8	97.3	98.4	98.7	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	8.7	95.8	96.8	97.3	98.4	98.7	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	8.7	95.8	96.8	97.3	98.4	98.7	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	8.7	95.8	96.8	97.3	98.4	98.7	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 698

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

042317
STATION

SONDRESTROM GL

75-83

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING	4.4	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 20000	5.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 18000	5.8	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 16000	5.3	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 14000	5.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 12000	5.8	63.7	63.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 10000	6.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 9000	6.6	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 8000	7.1	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 7000	7.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 6000	7.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 5000	7.9	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 4500	8.2	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000	8.6	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 3500	8.7	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 3000	9.3	92.6	92.6	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.9	92.9	92.9	92.9	92.9
≥ 2500	9.5	95.2	95.5	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.9	95.9	95.9	95.9	95.9	95.9
≥ 2000	9.6	96.8	97.1	97.2	97.2	97.4	98.1	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1800	9.6	96.9	97.2	97.4	97.4	97.5	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1500	9.6	97.5	98.1	98.1	98.3	98.4	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	9.6	97.7	98.1	98.3	98.4	98.5	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	9.6	97.7	98.1	98.3	98.4	98.5	99.3	99.3	99.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	9.6	97.7	98.1	98.3	98.4	98.5	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	9.6	98.0	98.4	98.5	98.7	98.8	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	9.6	98.0	98.4	98.5	98.7	98.8	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	9.6	98.0	98.4	98.5	98.7	98.8	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	9.6	98.0	98.4	98.5	98.7	98.8	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	9.6	98.0	98.4	98.5	98.7	98.8	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	9.6	98.0	98.4	98.5	98.8	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	9.6	98.0	98.4	98.5	98.8	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	9.6	98.0	98.4	98.5	98.8	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	9.6	98.0	98.4	98.5	98.8	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 686

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

142317
STATION

SONDRESTROM GL
STATION NAME

75-83
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS, LT

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.75	≥.7	≥.6	≥.5
NO CEILING	4.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 20000	4.4	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 18000	5.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 16000	5.5	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 14000	5.5	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 12000	5.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 10000	5.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 9000	5.2	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 8000	5.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 7000	6.6	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 6000	6.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 5000	7.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 4500	7.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 4000	8.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3500	8.8	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 3000	9.4	92.9	93.2	93.4	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 2500	9.7	96.0	96.5	96.8	96.8	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 2000	10.0	96.6	97.1	97.3	97.9	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1800	10.0	96.6	97.1	97.3	97.9	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1500	10.0	97.1	97.5	97.8	98.4	98.7	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	10.0	97.1	97.5	97.8	98.4	98.7	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	10.0	97.1	97.5	97.8	98.4	98.7	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	10.0	97.2	97.6	97.9	98.5	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 800	10.0	97.2	97.6	97.9	98.5	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 700	10.0	97.2	97.6	97.9	98.5	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 600	10.0	97.2	97.6	97.9	98.5	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 500	10.0	97.2	97.6	97.9	98.5	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0
≥ 400	10.0	97.2	97.6	97.9	98.5	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0
≥ 300	10.0	97.2	97.6	97.9	98.5	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0
≥ 200	10.0	97.2	97.6	97.9	98.5	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0
≥ 100	10.0	97.2	97.6	97.9	98.5	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0
≥ 0	10.0	97.2	97.6	97.9	98.5	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

678

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42217
STATION

SONDRESTROM GL
STATION NAME

75-83
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1870-2000
YEARS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	3.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 20000	4.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 18000	4.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 16000	4.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 14000	4.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 12000	4.6	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 10000	5.2	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 9000	5.2	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 8000	5.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 7000	6.2	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 6000	6.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 5000	6.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4500	7.5	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 4000	7.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 3500	8.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 3000	8.3	95.1	95.5	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2500	8.3	96.7	97.3	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 2000	8.6	97.1	97.8	98.1	98.6	98.6	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1800	8.6	97.1	97.8	98.1	98.6	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1500	8.6	97.1	97.8	98.1	98.9	99.0	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200	8.6	97.1	97.8	98.1	98.9	99.0	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	8.6	97.1	97.8	98.1	98.9	99.0	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	8.6	97.1	97.8	98.1	98.9	99.0	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	8.6	97.1	97.8	98.1	98.9	99.0	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	8.6	97.1	97.8	98.1	98.9	99.0	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	8.6	97.1	97.8	98.1	98.9	99.0	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	8.6	97.1	97.8	98.1	98.9	99.0	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	8.6	97.1	97.8	98.1	98.9	99.0	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	8.6	97.1	97.8	98.1	98.9	99.0	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	8.6	97.1	97.8	98.1	98.9	99.0	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	8.6	97.1	97.8	98.1	98.9	99.0	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	8.6	97.1	97.8	98.1	98.9	99.0	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 696

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42317
STATION

SONDRESTROM GL
STATION NAME

75-83
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (24)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	3.9	42.5	47.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 20000	4.1	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 18000	5.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 16000	5.0	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 14000	5.0	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 12000	5.1	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 10000	5.5	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 9000	5.7	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 8000	6.1	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 7000	6.6	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 6000	6.7	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 5000	7.0	75.4	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 4500	7.3	77.3	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 4000	7.8	82.6	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 3500	8.0	85.5	85.7	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 3000	8.5	89.9	90.3	90.7	90.9	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2500	8.8	92.4	93.7	93.6	94.0	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 2000	9.1	94.2	94.9	95.6	96.4	96.6	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1800	9.2	94.7	95.4	96.1	96.9	97.1	97.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1500	9.2	95.1	95.8	96.6	97.5	97.8	98.4	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200	9.2	95.3	96.0	96.8	97.7	98.0	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	9.2	95.3	96.1	96.9	97.8	98.2	98.9	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	9.2	95.3	96.1	96.9	97.8	98.2	98.9	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	9.2	95.4	96.2	97.0	97.9	98.3	99.0	99.3	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	9.2	95.4	96.2	97.0	98.0	98.3	99.1	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	9.2	95.4	96.2	97.0	98.0	98.4	99.1	99.3	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8
≥ 500	9.2	95.4	96.2	97.1	98.0	98.4	99.1	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	9.2	95.4	96.2	97.1	98.0	98.4	99.1	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	9.2	95.4	96.2	97.1	98.0	98.4	99.2	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	9.2	95.5	96.2	97.1	98.0	98.5	99.2	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	9.2	95.5	96.2	97.1	98.0	98.5	99.2	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	9.2	95.5	96.2	97.1	98.0	98.5	99.2	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 5515

USAF ETAC FORM 10-74 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

742060 STATION MCCHORD AFB WA STATION NAME 74-83 YEARS 1111
DATE 2100-2300
CLASS ALL WEATHER
CONDITION

SPEED KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	.8	.1									2.9	3.1
NNE	4.2	1.3										5.6	2.6
NE	.6											.6	2.0
ENE	.2											.2	2.0
E	.2	.1										.3	2.3
ESE		.2										.2	2.0
SE	.8	.1										.6	2.0
SSE	1.1	.1										1.2	2.6
S	8.8	8.8	1.1	.1								10.4	4.1
SSW	3.1	5.2	2.8	.1								10.9	4.9
SW	3.3	3.3	2.3	.1								9.1	4.9
WSW	2.8	2.7	.7									6.1	4.0
W	6.9	8.9	.1									11.9	3.2
WNW	2.3	.6	.1									3.0	2.8
NW	1.2											1.2	1.8
NNW	.3											.3	1.7
VARBL													
CALM												75.4	
	13.6	21.8	6.8	.1								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

142310
STATION

SONDRESTROM GL
STATION NAME

74-82
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	4.6	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
≥ 20000	4.9	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
IV 18000	5.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
IV 16000	5.6	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
IV 14000	5.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 12000	5.6	47.1	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 10000	5.8	49.7	49.7	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.0	50.0	50.0
IV 9000	5.8	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.1	53.1	53.1
IV 8000	6.7	59.4	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.7
IV 7000	6.9	65.0	65.0	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.3	65.3	65.3
IV 6000	6.9	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.6	67.6	67.6
IV 5000	7.4	71.9	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.2	72.2	72.2
IV 4500	7.7	74.4	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.7
IV 4000	8.7	85.8	85.8	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.1	86.1	86.1
IV 3500	8.8	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.5	89.5	89.5
IV 3000	9.0	93.5	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.8	93.8	93.8
IV 2500	9.3	95.6	95.6	95.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2
IV 2000	9.0	97.2	97.8	97.9	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0
IV 1800	9.0	97.3	97.9	98.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.2
IV 1500	9.0	97.6	98.2	98.3	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6
IV 1200	9.0	97.6	98.2	98.3	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6
IV 1000	9.0	97.6	98.2	98.3	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6
IV 900	9.0	97.6	98.2	98.3	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6
IV 800	9.0	97.6	98.2	98.3	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6
IV 700	9.0	97.6	98.2	98.3	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6
IV 600	9.0	97.6	98.2	98.3	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6
IV 500	9.0	97.6	98.2	98.3	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6
IV 400	9.0	97.6	98.2	98.3	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6
IV 300	9.0	97.6	98.2	98.3	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6
IV 200	9.0	97.6	98.2	98.3	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6
IV 100	9.0	97.6	98.2	98.3	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6
IV 0	9.0	97.6	98.2	98.3	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 712

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 4211 SONDRESTROM GL

74-82

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

300-0500
HOURS LT

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	4.6	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 20000	4.6	40.2	47.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 18000	5.3	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 6000	5.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 14000	5.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 12000	5.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 10000	5.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 9000	5.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 8000	6.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 7000	6.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 6000	7.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 5000	7.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 4500	7.4	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 4000	7.7	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 3500	7.9	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 3000	8.1	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2500	8.3	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 2000	8.3	96.5	96.6	96.6	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1800	8.3	96.6	96.8	96.8	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1500	8.3	97.6	97.9	97.9	98.0	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1200	8.3	98.2	98.5	98.5	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	8.3	98.2	98.5	98.5	98.6	98.9	98.9	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900	8.3	98.2	98.5	98.5	98.6	98.9	98.9	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	8.3	98.2	98.5	98.5	98.6	98.9	98.9	99.0	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	8.3	98.2	98.5	98.5	98.6	98.9	98.9	99.0	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	8.3	98.2	98.5	98.5	98.6	98.9	98.9	99.0	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	8.3	98.2	98.5	98.5	98.6	98.9	98.9	99.0	99.2	99.4	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	8.3	98.2	98.5	98.5	98.6	98.9	98.9	99.0	99.2	99.4	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	8.3	98.2	98.5	98.5	98.6	98.9	98.9	99.0	99.2	99.4	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	8.3	98.2	98.5	98.5	98.6	98.9	98.9	99.0	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	8.3	98.2	98.5	98.5	98.6	98.9	98.9	99.0	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	8.3	98.2	98.5	98.5	98.6	98.9	98.9	99.0	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 712

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4231
STATION

SONDRESTROM GL
STATION NAME

74-82
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	4.7	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 20000	4.2	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
≥ 18000	4.7	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 16000	4.7	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 14000	4.7	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 12000	4.7	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 10000	5.2	51.7	51.7	50.7	51.7	50.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 9000	5.2	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 8000	5.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 7000	6.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 6000	6.4	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 5000	6.8	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4500	6.9	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 4000	7.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 3500	7.9	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 3000	7.9	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 2500	8.2	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 2000	8.3	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0
≥ 1800	8.3	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.7	97.7
≥ 1500	8.5	98.3	98.3	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.4	98.4
≥ 1200	8.5	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.6	98.7	98.7
≥ 1000	8.5	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.6	98.7	98.7
≥ 900	8.5	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.6	98.7	98.7
≥ 800	8.5	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.6	98.7	98.7
≥ 700	8.5	98.4	98.4	98.6	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.2	99.4	99.6
≥ 600	8.5	98.4	98.4	98.6	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.2	99.4	99.6
≥ 500	8.5	98.4	98.4	98.6	98.6	98.7	99.0	99.0	99.0	99.2	99.2	99.3	99.4	99.7	99.9	99.9
≥ 400	8.5	98.4	98.4	98.6	98.6	98.7	99.0	99.0	99.2	99.2	99.2	99.3	99.4	99.7	99.9	99.9
≥ 300	8.5	98.4	98.4	98.6	98.6	98.7	99.0	99.0	99.2	99.2	99.2	99.3	99.4	99.7	99.9	99.9
≥ 200	8.5	98.4	98.4	98.6	98.6	98.7	99.0	99.0	99.2	99.2	99.2	99.3	99.4	99.7	100.0	100.0
≥ 100	8.5	98.4	98.4	98.6	98.6	98.7	99.0	99.0	99.2	99.2	99.2	99.3	99.4	99.7	100.0	100.0
≥ 0	8.5	98.4	98.4	98.6	98.6	98.7	99.0	99.0	99.2	99.2	99.2	99.3	99.4	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

708

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42317
STATION

SONDRESTROM GL
STATION NAME

74-87
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0	≥0
NO CEILING	4.2	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 20000	4.5	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 18000	4.9	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 16000	4.9	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 14000	4.9	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 12000	4.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 10000	5.2	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 9000	5.3	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 8000	5.5	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 7000	5.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 6000	5.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 5000	6.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4500	6.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 4000	6.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 3500	7.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3000	7.1	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 2500	7.2	93.9	93.9	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 2000	7.2	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1800	7.2	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	7.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	7.3	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	7.3	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	7.3	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	7.3	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	7.3	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	7.3	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	7.3	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	7.3	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	7.3	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	7.3	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	7.3	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	7.3	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 694

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4071
STATION

SONDRESTROM GL
STATION NAME

74-82
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
≥10000	4.7	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
≥8000	4.9	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
≥6000	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
≥4000	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
≥2000	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
≥1000	5.8	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
≥800	5.9	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
≥600	6.2	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
≥400	6.4	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
≥200	6.6	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
≥100	6.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥80	6.9	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
≥60	7.3	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
≥40	7.5	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
≥20	7.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
≥10	7.5	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
≥8	7.5	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
≥6	7.5	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
≥4	7.5	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
≥2	7.5	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
≥1	7.5	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
≥0.5	7.5	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
≥0.25	7.5	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
≥0.1	7.5	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
≥0.05	7.5	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
≥0.025	7.5	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
≥0.01	7.5	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
≥0.005	7.5	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9

TOTAL NUMBER OF OBSERVATIONS 708

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 74-82
SONDRESTROM GL

74-82

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	4.2	38.3	39.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
≥20000	4.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥18000	5.2	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥16000	5.2	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥14000	5.2	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥12000	5.2	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥10000	5.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥9000	5.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥8000	5.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥7000	6.1	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥6000	6.1	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥5000	6.2	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥4500	6.2	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥4000	6.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥3500	6.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥3000	7.1	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥2500	7.1	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥2000	7.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥1800	7.1	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥1500	7.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1200	7.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1000	7.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥900	7.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥800	7.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥700	7.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥600	7.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥500	7.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥400	7.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥300	7.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥200	7.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥100	7.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥50	7.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 689

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4231-
STATION

SONDRESTROM GL

74-87

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	3.5	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 20000	3.7	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 18000	3.9	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 16000	3.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 14000	3.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 12000	3.9	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 10000	4.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 9000	4.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 8000	4.4	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 7000	5.6	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 6000	5.8	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 5000	6.5	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 4500	6.8	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4000	8.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3500	8.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 3000	8.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 2500	8.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 2000	8.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1800	8.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500	8.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	8.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	8.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	8.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	8.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	8.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	8.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	8.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	8.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	8.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	8.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	8.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	8.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 709

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4271
STATION

SONDRESTROM GL
STATION NAME

74-87
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ 0
NO CEILING	4.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥ 20000	4.4	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 18000	5.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 16000	5.4	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 14000	5.4	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 12000	5.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 10000	5.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 9000	5.7	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 8000	7.1	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 7000	7.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 6000	7.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 5000	7.9	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 4500	8.6	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 4000	9.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 3500	9.3	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 3000	9.3	95.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2500	9.3	96.6	97.7	97.0	97.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 2000	9.3	98.4	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1800	9.3	98.6	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	9.3	98.9	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	9.3	98.9	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	9.3	98.9	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	9.3	98.9	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	9.3	98.9	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	9.3	98.9	99.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	9.3	98.9	99.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	9.3	98.9	99.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	9.3	98.9	99.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	9.3	98.9	99.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	9.3	98.9	99.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	9.3	98.9	99.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	9.3	98.9	99.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 706

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42310 SONDRESTROM GL

74-87

JUN

STATION

STATION NAME

YEARS

ALL
HOURS (24)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	4.2	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
≥ 20000	4.5	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 18000	5.1	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 16000	5.1	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 14000	5.1	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 12000	5.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 10000	5.4	53.7	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 9000	5.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 8000	6.0	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 7000	6.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 6000	6.5	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 5000	6.9	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 4500	7.1	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 4000	7.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 3500	7.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3000	8.1	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 2500	8.1	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 2000	8.2	98.3	98.4	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	8.2	98.4	98.6	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1500	8.2	98.9	99.0	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	8.2	99.0	99.2	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000	8.2	99.0	99.2	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	8.2	99.0	99.2	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	8.2	99.0	99.2	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	8.2	99.0	99.2	99.3	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	8.2	99.0	99.2	99.3	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	8.2	99.0	99.2	99.3	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	8.2	99.0	99.2	99.3	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	8.2	99.0	99.2	99.3	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	8.2	99.0	99.2	99.3	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	8.2	99.0	99.2	99.3	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	8.2	99.0	99.2	99.3	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 5638

USAF ETAC FORM 10-14-54 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

142310 SONDRESTROM GL

74-87

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS 1-17

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING	3.1	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 20000	3.5	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 18000	3.5	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 16000	3.5	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 14000	3.8	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 12000	3.8	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 10000	3.9	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 9000	3.9	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 8000	5.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 7000	6.3	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 6000	7.1	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 5000	7.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 4500	7.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 4000	7.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 3500	7.7	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 3000	7.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 2500	8.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000	8.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1800	8.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1500	9.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200	8.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	8.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	8.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	8.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	8.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	8.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	8.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	8.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	8.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	8.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	8.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	8.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 740

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

042310

SONDRESTROM GL

74-82

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	2.4	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 20000	2.5	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 18000	3.2	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 16000	3.2	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 14000	3.2	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 12000	3.2	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 10000	3.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 9000	3.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 8000	4.8	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 7000	5.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 6000	5.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 5000	5.8	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4500	5.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 4000	6.2	91.2	91.2	91.3	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 3500	6.2	92.7	92.7	92.8	92.8	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 3000	6.5	94.4	94.4	94.5	94.5	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 2500	6.7	95.8	95.8	95.9	95.9	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2000	6.7	97.1	97.1	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1800	6.7	97.3	97.3	97.6	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1500	6.7	98.0	98.0	98.3	98.3	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1200	7.3	98.7	98.7	99.0	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	7.3	99.2	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	7.3	99.3	99.3	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	7.0	99.3	99.3	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	7.0	99.3	99.3	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	7.0	99.3	99.3	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	7.1	99.3	99.3	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	7.0	99.3	99.3	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	7.0	99.3	99.3	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	7.2	99.4	99.4	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	7.2	99.4	99.4	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	7.2	99.4	99.4	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 713

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4231 SONDRESTROM GL

74-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	2.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 20000	2.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 18000	2.7	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 16000	2.7	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 14000	2.7	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 12000	2.9	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 10000	3.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 9000	3.2	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 8000	4.2	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 7000	5.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 6000	5.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 5000	5.8	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4500	5.8	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 4000	6.1	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3500	6.4	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 3000	6.6	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2500	6.9	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 2000	7.3	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1800	7.3	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1500	7.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200	7.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	7.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	7.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	7.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	7.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	7.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	7.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	7.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	7.3	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	7.3	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	7.3	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	7.3	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 739

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

142310 SONDRESTROM GL
STATION

74-87
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	1.7	38.9	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 20000	2.0	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
IN 18000	2.6	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IN 6000	2.6	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IN 14000	2.6	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IN 12000	2.6	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IN 10000	3.3	58.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IN 9000	3.5	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IN 8000	4.3	70.0	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IN 7000	5.4	80.2	80.3	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IN 6000	5.7	82.6	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IN 5000	6.3	86.9	87.1	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IN 4500	6.3	88.0	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IN 4000	6.8	92.2	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IN 3500	6.8	93.3	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IN 3000	7.1	95.3	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IN 2500	7.4	97.2	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IN 2000	7.7	99.3	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 1800	7.7	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IN 1500	7.7	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 1200	7.7	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 1000	7.7	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 900	7.7	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 800	7.7	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 700	7.7	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 600	7.7	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 500	7.7	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 400	7.7	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 300	7.7	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 200	7.7	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 100	7.7	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 0	7.7	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 717

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

042310

SONDRESTROM GL

74-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS -15

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	2.4	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 20000	2.8	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 18000	3.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 16000	3.9	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 14000	3.9	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 12000	4.1	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 10000	4.3	60.7	61.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 9000	4.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 8000	5.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 7000	6.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 6000	6.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 5000	6.3	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4500	7.2	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 4000	7.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 3500	7.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 3000	8.1	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 2500	8.1	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 2000	8.3	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1800	8.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1500	8.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200	8.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	8.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	8.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	8.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	8.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	8.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	8.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	8.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	8.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	8.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	8.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	8.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 751

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

042310

SONDRESTROM GL

74-82

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1530-1700
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ .	≥ 0
NO CEILING	1.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 20000	2.6	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 18000	3.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 16000	3.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 14000	3.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 12000	3.7	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 10000	3.7	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 9000	3.7	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 8000	4.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 7000	5.4	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 6000	5.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 5000	6.1	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4500	6.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 4000	6.9	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 3500	7.1	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 3000	7.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 2500	7.4	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 2000	7.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1800	7.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1500	7.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200	7.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	7.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	7.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	7.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	7.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	7.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	7.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	7.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	7.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	7.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	7.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	7.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

727

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

042710
STATION

SONDRESTROM GL

74-87

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ 0
NO CEILING	1.9	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥ 20000	2.2	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 18000	2.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 16000	2.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 14000	2.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 12000	2.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 10000	3.1	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 9000	3.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 8000	4.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 7000	4.9	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 6000	5.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 5000	6.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 4500	6.4	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 4000	6.7	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 3500	7.0	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 3000	7.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 2500	7.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 2000	7.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1800	7.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1500	7.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	7.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	7.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	7.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	7.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	7.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	7.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	7.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	7.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	7.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	7.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	7.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	7.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 731

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
42310

STATION NAME
SONDRESTROM GL

YEARS
74-82

MONTH
JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS 1-2300

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ .	≥ 0
NO CEILING	2.9	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 20000	3.2	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 18000	3.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 16000	3.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 14000	3.5	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 12000	3.5	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 10000	4.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 9000	4.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 8000	5.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 7000	6.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 6000	6.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 5000	7.8	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 4500	8.2	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 4000	8.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 3500	8.4	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 3000	8.6	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 2500	8.7	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 2000	8.7	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1800	8.7	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1500	8.7	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	8.7	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	8.7	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	8.7	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	8.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	8.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	8.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	8.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	8.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	8.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	8.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	8.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	8.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

786

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42317
STATION

SONDRESTROM GL

STATION NAME

74-82
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.3	≥.25	≥.2	≥.16	≥.1
NO CEILING	2.3	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 20000	2.6	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 18000	3.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 16000	3.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 14000	3.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 12000	3.3	57.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 10000	3.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 9000	3.7	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 8000	4.7	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 7000	5.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 6000	6.1	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 5000	6.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4500	6.9	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 4000	7.1	92.7	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 3500	7.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 3000	7.4	96.2	96.3	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 2500	7.6	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 2000	7.7	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1800	7.7	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1600	7.7	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1400	7.8	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	7.8	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	7.8	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	7.8	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	7.8	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	7.8	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	7.8	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	7.8	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	7.8	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	7.8	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	7.8	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	7.8	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 50	7.8	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 5864

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42°15'
STATION

SONDRESTROM GL
STATION NAME

74-82
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-2200
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO. CEILING	3.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 20000	3.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 18000	3.6	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 16000	3.6	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 14000	3.7	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 12000	3.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 10000	3.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 9000	3.8	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 8000	4.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 7000	4.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 6000	5.3	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 5000	5.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 4500	5.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4000	6.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 3500	6.3	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 3000	6.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 2500	6.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2000	6.8	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1800	6.8	96.7	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1600	6.8	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1400	6.8	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1200	7.0	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	7.0	98.8	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	7.0	98.8	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	7.0	98.8	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	7.0	98.8	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	7.0	98.8	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	7.0	98.8	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	7.0	98.8	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	7.0	98.8	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	7.0	98.8	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100	7.0	98.8	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 0	7.0	98.8	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 730

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: SONDRESTROM GL

74-87

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

HOURS (LT)

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	4.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 20000	4.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 18000	4.7	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 16000	4.7	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 14000	4.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 12000	4.7	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 10000	5.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 9000	5.1	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 8000	5.2	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 7000	5.6	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 6000	6.1	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 5000	6.2	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 4500	6.2	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4000	6.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3500	6.6	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 3000	6.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 2500	7.4	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2000	7.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1800	7.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1600	7.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1400	7.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1200	7.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900	7.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	7.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	7.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 600	7.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	7.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	7.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 300	7.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 200	7.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 100	7.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 50	7.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 745

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4231 SONDRESTROM GL

74-87

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.2	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	3.7	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
≥ 20000	3.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 18000	4.5	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 16000	4.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 14000	4.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 12000	4.5	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 10000	4.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 9000	4.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 8000	4.9	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 7000	5.7	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 6000	6.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 5000	6.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 4500	6.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4000	6.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 3500	6.8	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3000	7.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 2500	7.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 2000	7.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1800	7.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1500	7.6	97.4	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1200	7.7	98.2	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000	7.7	98.5	98.8	98.8	99.0	99.2	99.2	99.2	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	7.7	98.5	98.8	98.8	99.1	99.2	99.2	99.2	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	7.7	98.6	98.9	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.7	99.7	99.7	99.7	99.7
≥ 700	7.7	98.6	98.9	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.7	99.7	99.7	99.7	99.7
≥ 600	7.7	98.6	98.9	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.7	99.7	99.7	99.7	99.7
≥ 500	7.7	98.6	98.9	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.7	99.7	99.7	99.7	99.7
≥ 400	7.7	98.8	99.1	99.0	99.3	99.5	99.5	99.5	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0
≥ 300	7.7	98.8	99.1	99.0	99.3	99.5	99.5	99.5	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0
≥ 200	7.7	98.8	99.1	99.0	99.3	99.5	99.5	99.5	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0
≥ 100	7.7	98.8	99.1	99.0	99.3	99.5	99.5	99.5	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0
≥ 0	7.7	98.8	99.1	99.0	99.3	99.5	99.5	99.5	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 736

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4231
STATION

SONDRESTROM GL
STATION NAME

74-82
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS LST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥.025	≥.01
NO CEILING	2.9	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 20000	2.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 18000	3.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 16000	3.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 14000	3.2	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 12000	3.2	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 10000	3.6	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000	3.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 8000	4.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 7000	4.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 6000	4.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 5000	5.1	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4500	5.4	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000	5.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3500	5.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 3000	5.7	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2500	5.8	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 2000	5.9	97.9	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1800	5.9	98.3	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1500	5.9	98.8	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	5.9	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	5.9	99.2	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	5.9	99.2	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	5.9	99.2	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	5.9	99.2	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	5.9	99.2	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	5.9	99.2	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	5.9	99.2	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	5.9	99.2	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	5.9	99.2	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	5.9	99.2	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	5.9	99.2	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 723

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4231 SONDRESTROM GL

74-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1800
MOAS 151

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	3.4	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 20000	3.4	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IN 18000	4.2	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IN 6000	4.2	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IN 4000	4.2	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IN 2000	4.2	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IN 10000	4.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IN 9000	4.3	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IN 8000	4.5	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IN 7000	5.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IN 6000	5.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IN 5000	5.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IN 4500	5.4	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IN 4000	5.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IN 3500	5.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IN 3000	6.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IN 2500	6.7	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IN 2000	6.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IN 1800	6.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IN 1500	6.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 1200	6.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IN 1000	6.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 900	6.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 800	6.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 700	6.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 600	6.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 500	6.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 400	6.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 300	6.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 200	6.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 100	6.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 0	6.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 741

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
04231

STATION NAME
SONDREST POM GL

YEARS
74-82

MONTH
AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS
1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0
NO CEILING	5.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 20000	5.2	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 18000	6.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 16000	6.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 14000	6.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 12000	6.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 10000	6.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 9000	6.8	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 8000	6.8	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 7000	7.3	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 6000	7.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 5000	7.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4500	7.4	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 4000	7.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 3500	7.7	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 3000	7.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 2500	8.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2000	8.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1800	8.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1500	8.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	8.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	8.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	8.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	8.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	8.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	8.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	8.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	8.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	8.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	8.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	8.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	8.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 725

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42317 SONDRESTROM GL

74-87

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING	4.3	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 20000	4.5	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 18000	5.9	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 16000	5.9	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 14000	5.9	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 12000	5.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 10000	6.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000	6.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 8000	6.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 7000	6.7	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 6000	6.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 5000	7.4	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 4500	7.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 4000	8.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 3500	8.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 3000	8.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 2500	8.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2000	8.8	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	8.8	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	8.8	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	8.8	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	8.8	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	8.8	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 791

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NO. 4210 STATION NAME SONDRESTROM GL

YEAR 74-87

MONTH AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	4.2	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 20000	4.3	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 18000	4.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 16000	4.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 14000	4.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 12000	4.6	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 10000	4.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 9000	4.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 8000	5.1	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 7000	6.1	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 6000	6.4	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 5000	6.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4500	7.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 4000	7.5	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3500	7.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 3000	7.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2500	7.9	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 2000	8.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800	8.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	8.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	8.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	8.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	8.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	8.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	8.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	8.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	8.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	8.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	8.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	8.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	8.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	8.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 719

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4217
STATION

SONDRESTROM GL
STATION NAME

74-87
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (24)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ 0
NO CEILING ≥ 20000	3.8 4.7	41.3 46.2	41.3 46.2	41.3 46.2	41.3 46.2	41.3 46.2	41.3 46.2	41.3 46.2	41.3 46.2	41.3 46.2	41.3 46.2	41.3 46.2	41.4 46.2	41.4 46.2	41.4 46.2	41.4 46.2
≥ 18000	4.6	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 16000	4.6	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 14000	4.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 12000	4.6	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 10000	4.9	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 9000	4.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 8000	5.2	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 7000	5.7	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 6000	6.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 5000	6.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 4500	6.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 4000	6.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 3500	6.9	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 3000	7.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 2500	7.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2000	7.4	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1800	7.4	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1500	7.5	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
≥ 1200	7.5	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	7.6	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	7.6	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	7.6	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	7.6	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	7.6	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	7.6	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	7.6	99.4	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0
≥ 300	7.6	99.4	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0
≥ 200	7.6	99.4	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0
≥ 100	7.6	99.4	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0
≥ 0	7.6	99.4	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 5860

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
042317

STATION NAME
SONDRESTROM GL

YEARS
74-82

MONTH
SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .025	≥ 0
NO CEILING	3.4	34.3	34.3	34.3	34.5	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
≥ 20000	3.7	38.6	38.6	38.6	38.8	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
≥ 18000	4.2	44.0	44.0	44.0	44.1	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 16000	4.2	44.4	44.4	44.4	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 14000	4.3	44.5	44.5	44.5	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 12000	4.5	44.7	44.7	44.7	44.8	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 10000	4.6	46.4	46.4	46.4	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 9000	4.7	47.1	47.1	47.1	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 8000	4.9	60.1	60.1	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 7000	5.5	67.4	67.4	67.4	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 6000	5.5	69.8	69.8	70.1	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 5000	5.9	75.4	75.7	76.0	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 4500	6.0	76.6	76.9	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4000	6.0	82.0	82.3	82.6	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 3500	6.0	82.5	82.8	83.2	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 3000	6.5	87.8	88.4	88.9	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 2500	6.5	89.8	90.9	91.5	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 2000	6.6	91.7	92.8	93.5	94.1	94.4	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1800	6.6	92.1	93.2	94.0	94.5	94.8	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1500	6.5	93.8	95.0	95.7	96.6	96.8	97.6	97.7	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	6.5	94.3	95.4	96.3	97.1	97.4	98.1	98.3	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000	6.5	94.5	95.7	96.7	97.6	97.8	98.6	98.7	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900	6.5	94.5	95.7	96.7	97.6	97.8	98.6	98.7	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	6.5	94.5	95.7	96.7	97.7	98.0	98.7	98.9	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4
≥ 700	6.5	94.7	95.8	96.8	97.8	98.1	98.9	99.0	99.0	99.3	99.4	99.6	99.6	99.6	99.6	99.6
≥ 600	6.5	94.7	95.8	97.0	98.0	98.3	99.0	99.1	99.1	99.4	99.6	99.7	99.7	99.7	99.7	99.7
≥ 500	6.5	94.8	96.7	97.1	98.1	98.4	99.1	99.3	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9
≥ 400	6.5	94.8	96.7	97.1	98.1	98.4	99.1	99.3	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9
≥ 300	6.5	94.8	96.7	97.1	98.1	98.4	99.1	99.3	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9
≥ 200	6.5	95.0	96.1	97.3	98.3	98.6	99.3	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100	6.5	95.0	96.1	97.3	98.3	98.6	99.3	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0	6.5	95.0	96.1	97.3	98.3	98.6	99.3	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 696

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42317
STATION

SONDRESTROM GL
STATION NAME

74-82
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LT)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	2.8	31.8	31.8	31.8	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥ 20000	3.7	38.3	38.3	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 18000	3.7	45.1	45.2	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 16000	3.7	45.5	45.6	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 14000	3.7	45.5	45.6	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 12000	3.7	45.9	46.7	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 10000	4.0	47.3	47.5	47.7	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 9000	4.0	48.0	48.2	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 8000	4.1	58.2	58.5	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 7000	4.7	66.4	66.7	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 6000	4.8	70.1	70.3	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 5000	4.9	74.9	75.1	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 4500	4.9	76.1	76.4	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 4000	5.1	82.3	82.6	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3500	5.2	83.6	83.9	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3000	5.5	88.7	89.1	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2500	5.5	91.1	91.7	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 2000	5.5	93.5	94.1	94.9	95.1	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800	5.5	93.9	94.5	95.3	95.5	95.6	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1500	5.5	95.1	95.6	96.5	97.0	97.5	97.5	97.7	97.9	97.9	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1200	5.6	95.3	96.7	96.9	97.5	97.9	97.9	98.3	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	5.6	95.8	96.5	97.3	97.9	98.3	98.3	98.9	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	5.6	95.8	96.5	97.3	97.9	98.3	98.3	98.9	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	5.6	95.8	96.5	97.5	98.0	98.4	98.4	99.0	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	5.9	95.9	96.6	97.6	98.2	98.6	98.6	99.2	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	5.9	95.9	96.6	97.6	98.2	98.6	98.6	99.2	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	5.9	95.9	96.6	97.6	98.2	98.6	98.6	99.2	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	5.9	95.9	96.6	97.6	98.2	98.6	98.6	99.2	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	5.9	95.9	96.6	97.6	98.2	98.6	98.6	99.2	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	5.9	96.0	96.8	97.7	98.4	98.9	98.9	99.4	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0
≥ 100	5.9	96.0	96.8	97.7	98.4	98.9	98.9	99.4	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0	5.9	96.0	96.8	97.7	98.4	98.9	98.9	99.4	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 708

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

042710
STATION

SONDRESTROM GL

74-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.2	≥.16	≥.1
NO CEILING	3.3	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
≥ 20000	3.6	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥ 18000	4.0	44.8	44.8	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 16000	4.0	45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 14000	4.1	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 12000	4.1	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 10000	4.4	48.1	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 9000	4.4	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 8000	5.1	55.3	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 7000	5.5	64.7	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 6000	5.9	69.7	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 5000	5.9	73.0	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 4500	5.9	74.3	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 4000	6.6	80.4	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 3500	6.6	82.4	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3000	6.8	87.6	88.1	88.4	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 2500	6.8	90.6	91.1	91.4	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 2000	6.9	93.4	93.9	94.3	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1800	6.9	94.1	94.6	95.0	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1500	7.1	95.3	95.9	96.3	96.7	97.0	97.0	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1200	7.1	95.6	96.1	96.5	97.0	97.2	97.2	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1000	7.2	96.0	96.5	97.0	97.4	97.6	97.8	98.2	98.2	98.3	98.5	98.5	98.5	98.5	98.5	98.5
≥ 900	7.2	96.0	96.5	97.0	97.4	97.6	97.8	98.2	98.2	98.3	98.5	98.5	98.5	98.5	98.5	98.5
≥ 800	7.2	96.3	96.8	97.2	97.6	97.9	98.1	98.5	98.5	98.6	98.8	98.9	98.9	98.9	98.9	98.9
≥ 700	7.2	96.3	96.8	97.2	97.6	97.9	98.1	98.5	98.5	98.6	98.8	98.9	98.9	98.9	98.9	98.9
≥ 600	7.2	96.3	96.8	97.2	97.6	97.9	98.1	98.5	98.5	98.6	98.8	98.9	98.9	98.9	98.9	98.9
≥ 500	7.2	96.4	97.1	97.4	97.8	98.1	98.2	98.6	98.6	98.8	98.9	99.0	99.0	99.0	99.0	99.0
≥ 400	7.2	96.4	97.0	97.4	97.8	98.1	98.2	98.6	98.6	98.8	98.9	99.0	99.0	99.0	99.0	99.0
≥ 300	7.2	96.5	97.1	97.5	97.9	98.2	98.3	98.8	98.8	98.9	99.0	99.2	99.2	99.2	99.2	99.2
≥ 200	7.2	96.5	97.1	97.5	97.9	98.2	98.3	98.9	98.9	99.0	99.2	99.3	99.4	99.4	99.4	99.4
≥ 100	7.2	96.5	97.1	97.5	97.9	98.2	98.3	98.9	98.9	99.2	99.3	99.4	99.6	99.6	99.9	100.0
≥ 0	7.2	96.5	97.1	97.5	97.9	98.2	98.3	98.9	98.9	99.2	99.3	99.4	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 723

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

142312

SONDRESTROM GL

74-87

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1100
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	2.6	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥20000	3.6	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥18000	4.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥16000	4.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥14000	4.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥12000	4.8	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥10000	4.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥9000	4.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥8000	5.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥7000	5.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥6000	5.7	72.5	72.5	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥5000	6.1	76.4	76.4	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥4500	6.3	79.2	79.5	81.1	81.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥4000	6.4	83.5	83.8	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥3500	6.6	85.6	85.9	86.5	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥3000	6.6	88.7	89.0	89.6	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥2500	6.7	92.5	92.9	93.4	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥2000	6.8	94.6	95.0	95.6	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥1800	6.8	94.7	95.2	95.7	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥1500	6.8	96.2	96.6	97.2	97.6	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥1200	6.8	96.3	96.7	97.3	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥1000	6.8	96.3	96.7	97.3	97.7	98.1	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥900	6.8	96.3	96.7	97.3	97.7	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥800	6.8	96.6	97.0	97.6	98.0	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥700	6.8	96.6	97.0	97.6	98.1	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥600	6.8	96.6	97.0	97.6	98.1	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥500	6.8	96.6	97.0	97.6	98.1	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥400	6.8	96.6	97.0	97.6	98.1	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥300	6.8	96.7	97.2	97.7	98.3	98.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥200	6.8	96.7	97.3	97.9	98.4	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥100	6.8	96.7	97.3	97.9	98.4	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥0	6.8	96.7	97.3	97.9	98.4	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 702

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
042110

STATION NAME
SONDRESTROM GL

YEARS
74-82

MONTH
SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO. FILING	3.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 25000	3.1	38.2	39.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 18000	4.2	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 16000	4.2	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 14000	4.2	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 12000	4.2	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 10000	4.2	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 9000	4.2	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 8000	4.2	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 7000	5.4	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 6000	5.7	75.2	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 5000	5.8	77.9	78.1	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 4500	6.1	80.0	80.2	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 4000	6.2	84.4	84.6	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3500	6.1	86.5	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3000	6.5	91.1	91.4	91.8	91.9	91.9	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 2500	6.5	93.9	94.2	94.6	94.8	94.8	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 2000	6.5	95.0	95.5	96.0	96.3	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1800	6.5	95.3	95.8	96.3	96.6	96.6	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1500	6.5	96.5	96.9	97.5	97.9	98.2	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	6.5	96.6	97.1	97.6	98.0	98.3	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000	6.5	97.0	97.5	98.0	98.4	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	6.5	97.0	97.5	98.0	98.4	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	6.5	97.2	97.6	98.2	98.6	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	6.5	97.2	97.6	98.2	98.7	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	6.5	97.3	97.7	98.3	98.9	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	6.5	97.3	97.7	98.3	98.9	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	6.5	97.3	97.7	98.3	98.9	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	6.5	97.3	97.7	98.3	98.9	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	6.5	97.3	97.7	98.3	98.9	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	6.5	97.3	97.7	98.3	98.9	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	6.5	97.3	97.7	98.3	98.9	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 776

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4231

SONDRESTROM GL

74-87

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1510-1700
HOURS (LT)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING ≥ 20000	2.7	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
≥ 18000	4.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 14000	4.6	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 12000	4.6	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 10000	4.7	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 9000	4.7	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 8000	5.3	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 7000	5.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 6000	5.9	76.8	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 5000	6.3	81.6	81.1	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4500	6.5	81.6	82.1	82.2	82.2	82.2	82.2	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 4000	6.9	87.2	87.7	87.8	87.8	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 3500	6.9	89.5	90.0	90.2	90.2	90.2	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 3000	6.9	92.3	92.7	93.1	93.1	93.1	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 2500	7.1	94.1	94.5	95.0	95.0	95.0	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2000	7.1	95.3	95.7	96.1	96.3	96.4	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1800	7.1	95.6	96.0	96.4	96.6	96.7	96.8	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1500	7.1	95.7	96.1	96.6	97.1	97.4	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1200	7.2	96.1	96.4	96.8	97.4	97.7	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000	7.2	96.1	96.6	97.1	97.8	98.1	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	7.2	96.1	96.6	97.1	97.8	98.3	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	7.2	96.1	96.6	97.4	98.1	98.6	99.1	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	7.2	96.6	97.0	97.8	98.7	99.1	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	7.2	96.6	97.0	97.8	98.7	99.1	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	7.2	96.6	97.0	97.8	98.7	99.1	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	7.2	96.6	97.0	97.8	98.7	99.1	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	7.2	96.6	97.0	97.8	98.7	99.1	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	7.2	96.6	97.0	97.8	98.7	99.1	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	7.2	96.6	97.0	97.8	98.7	99.1	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 50	7.2	96.6	97.0	97.8	98.7	99.1	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

697

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: SONDRESTROM GL

74-87

SEP

STATION NAME

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	2.2	35.8	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥20000	2.4	40.0	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥18000	2.8	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥16000	2.9	50.3	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥14000	3.1	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥12000	3.1	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥10000	3.4	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥9000	3.4	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥8000	3.8	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥7000	4.2	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥6000	4.2	75.7	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥5000	4.5	81.5	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥4500	4.5	82.5	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥4000	4.9	86.3	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥3500	4.9	89.0	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥3000	5.1	92.2	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥2500	5.1	93.3	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥2000	5.0	95.0	95.8	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥1800	5.2	95.2	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥1500	5.2	95.8	96.6	97.6	97.5	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥1200	5.2	96.1	96.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥1000	5.2	96.1	97.1	98.0	98.2	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥900	5.2	96.1	97.1	98.0	98.2	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥800	5.2	96.1	97.1	98.0	98.6	98.6	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥700	5.2	96.2	97.3	98.3	99.0	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥600	5.2	96.2	97.3	98.3	99.0	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥500	5.2	96.2	97.3	98.3	99.0	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥400	5.2	96.2	97.3	98.3	99.0	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥300	5.2	96.2	97.3	98.3	99.0	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥200	5.2	96.2	97.3	98.3	99.0	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥100	5.2	96.2	97.3	98.3	99.0	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥50	5.2	96.2	97.3	98.3	99.0	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 715

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14231
STATION

SONDRESTROM GL

STATION NAME

74-87

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING	4.4	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 20000	5.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 18000	5.7	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 16000	5.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 14000	5.7	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 12000	5.8	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 10000	6.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 9000	6.1	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 8000	6.7	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 7000	6.8	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 6000	6.8	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 5000	8.1	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 4500	8.2	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 4000	8.4	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 3500	8.4	84.9	85.4	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 3000	8.9	90.2	90.8	91.2	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 2500	9.1	91.3	92.3	93.2	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 2000	9.1	93.0	94.2	95.3	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1800	9.1	93.3	94.6	95.7	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1600	9.1	94.6	96.0	97.3	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1400	9.1	94.9	96.3	97.6	97.7	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1200	9.1	94.9	96.3	98.0	98.2	98.9	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	9.1	95.3	96.7	98.6	98.7	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	9.1	95.3	96.7	98.6	98.7	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	9.1	95.3	96.7	98.6	98.7	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	9.1	95.3	96.7	98.6	98.7	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	9.1	95.3	96.7	98.6	98.7	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	9.1	95.3	96.7	98.6	98.7	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	9.1	95.3	96.7	98.6	98.7	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	9.1	95.3	96.7	98.6	98.7	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	9.1	95.3	96.7	98.6	98.7	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	9.1	95.3	96.7	98.6	98.7	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 704

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4231 SONDRESTROM GL

74-82

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	3.1	33.2	31.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 20000	3.4	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 18000	4.2	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 16000	4.2	47.6	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 14000	4.3	47.7	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 12000	4.4	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 10000	4.5	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 9000	4.6	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 8000	5.0	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 7000	5.4	69.4	69.5	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 6000	5.6	72.8	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 5000	5.9	77.3	77.6	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 4500	6.1	78.7	79.1	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4000	6.3	83.7	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 3500	6.4	85.5	85.8	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 3000	6.6	89.8	90.3	90.7	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2500	6.6	92.1	92.7	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 2000	6.7	93.9	94.6	95.3	95.6	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1800	6.7	94.3	95.1	95.7	95.9	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1500	6.7	95.4	96.1	96.8	97.2	97.6	97.8	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	6.8	95.6	96.4	97.1	97.5	97.9	98.1	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000	6.8	95.8	96.6	97.4	97.9	98.2	98.5	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	6.8	95.8	96.6	97.4	97.9	98.2	98.5	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	6.8	96.0	96.7	97.6	98.2	98.5	98.8	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	6.8	96.1	96.9	97.8	98.4	98.7	99.1	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	6.8	96.1	96.9	97.8	98.4	98.8	99.1	99.3	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6
≥ 500	6.8	96.1	96.9	97.8	98.4	98.8	99.1	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	6.8	96.1	96.9	97.8	98.4	98.8	99.1	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	6.8	96.2	97.1	97.9	98.5	98.8	99.1	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	6.8	96.2	97.0	97.9	98.5	98.9	99.2	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	6.8	96.2	97.0	97.9	98.5	98.9	99.2	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	6.8	96.2	97.1	97.9	98.5	98.9	99.2	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 5651

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42311 SONDRESTROM GL

74-87

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS - LST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING	3.6	42.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 20000	3.8	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 18000	4.6	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 16000	4.6	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 14000	4.6	52.8	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 12000	4.6	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 10000	4.7	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 9000	4.9	59.2	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 8000	5.4	69.5	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 7000	6.7	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 6000	6.1	76.9	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 5000	6.1	79.3	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 4500	6.4	79.8	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 4000	6.5	82.2	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3500	7.1	83.4	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3000	7.2	86.4	88.2	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 2500	7.2	89.1	91.4	92.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2000	7.4	90.0	92.3	93.6	95.4	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1800	7.4	90.0	92.3	93.6	95.4	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1500	7.5	90.7	93.0	94.3	96.1	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1200	7.7	90.8	93.2	94.4	96.2	97.1	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1000	7.7	90.8	93.2	94.4	96.2	97.1	97.8	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900	7.7	90.8	93.2	94.4	96.2	97.1	97.8	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	7.7	91.4	93.7	95.0	97.1	97.9	98.6	99.0	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	7.7	91.4	93.7	95.0	97.1	97.9	98.6	99.0	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	7.7	91.4	93.7	95.0	97.1	97.9	98.6	99.0	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	7.7	91.4	93.7	95.0	97.1	97.9	98.6	99.0	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	7.7	91.4	93.7	95.0	97.1	97.9	98.6	99.0	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	7.7	91.4	93.7	95.0	97.1	97.9	98.6	99.0	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	7.7	91.4	93.7	95.0	97.1	97.9	98.6	99.0	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	7.7	91.4	93.7	95.0	97.1	97.9	98.6	99.0	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	7.7	91.4	93.7	95.0	97.1	97.9	98.6	99.0	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 718

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42317
STATION

SONDRESTROM GL
STATION NAME

74-87
YEAR

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0
NO CEILING	3.1	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 20000	3.2	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 18000	4.1	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 16000	4.2	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 14000	4.2	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 12000	4.2	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 10000	4.6	58.4	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 9000	4.8	60.3	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 8000	4.9	66.9	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 7000	5.5	73.3	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 6000	5.8	75.8	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 5000	6.2	77.2	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 4500	6.3	78.6	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 4000	6.3	81.3	82.3	82.6	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 3500	6.3	82.0	83.1	83.5	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 3000	6.5	84.5	85.9	86.6	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2500	6.9	88.3	91.2	91.4	92.7	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 2000	6.9	89.5	91.6	93.1	95.2	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800	6.9	89.5	91.7	93.2	95.4	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1500	6.9	89.6	92.0	93.5	96.2	96.9	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1200	7.1	89.9	92.3	93.8	96.5	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1000	7.1	89.9	92.4	94.0	96.6	97.3	97.6	97.9	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	7.0	89.9	92.4	94.0	96.6	97.3	97.6	98.0	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	7.3	90.0	92.5	94.1	97.0	97.7	98.0	98.5	98.7	99.4	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	7.0	90.0	92.5	94.1	97.0	97.7	98.0	98.5	98.7	99.4	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	7.3	90.0	92.5	94.1	97.0	97.7	98.0	98.5	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	7.0	90.0	92.5	94.1	97.0	97.7	98.0	98.5	98.7	99.4	99.7	99.9	99.9	99.9	99.9	99.9
≥ 400	7.0	90.0	92.5	94.1	97.0	97.7	98.0	98.5	98.7	99.4	99.7	99.9	99.9	99.9	99.9	99.9
≥ 300	7.0	90.0	92.5	94.1	97.0	97.7	98.0	98.5	98.7	99.4	99.7	99.9	99.9	99.9	99.9	99.9
≥ 200	7.1	90.0	92.5	94.1	97.0	97.9	98.2	98.6	98.9	99.6	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100	7.1	90.0	92.5	94.1	97.0	97.9	98.2	98.6	98.9	99.6	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0	7.1	90.0	92.5	94.1	97.0	97.9	98.2	98.6	98.9	99.6	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 711

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42310
STATION

SONDRESTPOM GL
STATION NAME

74-87
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	3.4	41.0	41.2	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 20000	3.5	45.0	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 18000	3.9	51.6	51.8	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 16000	3.9	52.1	52.4	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 14000	3.9	52.5	52.8	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 12000	3.9	53.9	54.1	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 10000	4.1	57.8	58.1	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 9000	4.2	59.9	60.1	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 8000	4.8	65.6	65.9	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 7000	5.6	72.7	72.2	73.6	73.7	73.7	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 6000	5.9	75.2	75.6	77.3	77.6	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 5000	6.1	78.2	78.8	80.4	80.7	80.8	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 4500	6.1	79.0	79.6	81.2	81.5	81.6	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4000	6.3	82.9	83.5	85.2	85.4	85.6	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 3500	6.9	84.8	85.6	87.5	87.8	87.9	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 3000	6.9	87.1	87.9	90.3	90.9	91.0	91.3	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2500	7.1	89.9	91.9	93.5	94.1	94.4	94.7	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 2000	7.1	90.6	91.7	94.3	95.2	95.9	96.9	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1800	7.1	90.6	91.7	94.3	95.2	95.9	96.9	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	7.1	90.6	91.8	94.4	95.5	96.2	97.1	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1200	7.1	90.7	92.1	94.6	95.6	96.6	97.7	98.2	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1000	7.1	90.7	92.1	94.6	95.6	96.6	97.7	98.6	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	7.1	90.7	92.0	94.6	95.6	96.6	97.7	98.6	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	7.1	90.7	92.0	94.6	95.8	96.7	97.8	98.8	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	7.1	90.9	92.1	94.7	95.9	96.9	98.0	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	7.1	90.9	92.1	94.7	95.9	96.9	98.0	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	7.1	90.9	92.1	94.7	95.9	96.9	98.0	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	7.1	90.9	92.1	94.7	95.9	96.9	98.0	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	7.1	90.9	92.1	94.7	95.9	96.9	98.0	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	7.1	90.9	92.1	94.7	95.9	96.9	98.0	98.9	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	7.1	90.9	92.1	94.7	95.9	96.9	98.0	98.9	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	7.1	90.9	92.1	94.7	95.9	96.9	98.0	98.9	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 735

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

742310

SONDRESTROM GL

74-87

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (EST)

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	2.3	37.1	37.2	37.2	37.2	37.2	37.2	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.5	37.5
≥ 20000	2.4	41.4	41.7	41.7	41.7	41.7	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	42.0	42.0
≥ 18000	2.9	51.8	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.3
≥ 16000	3.0	52.0	52.3	52.3	52.3	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.6	52.6
≥ 14000	3.1	52.4	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.0	53.0
≥ 12000	3.1	54.1	54.3	54.3	54.3	54.3	54.3	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.6
≥ 10000	3.5	56.9	57.2	57.2	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.5	57.5
≥ 9000	3.5	58.8	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.4	59.4	59.4
≥ 8000	4.6	65.8	66.0	66.0	66.2	66.2	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.6	66.6
≥ 7000	5.2	70.8	71.2	71.2	71.3	71.3	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7
≥ 6000	5.3	74.3	74.7	74.7	74.9	74.9	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.3	75.3	75.3
≥ 5000	5.4	77.2	77.9	78.0	78.4	78.4	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.8
≥ 4500	5.8	79.5	80.2	80.3	80.7	80.7	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.1
≥ 4000	6.1	84.4	85.1	85.3	85.9	85.9	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.3	86.3	86.3
≥ 3500	6.1	86.0	86.8	87.2	88.0	88.0	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.7	88.7	88.7
≥ 3000	6.1	88.3	89.3	89.8	90.8	90.9	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.6	91.6	91.6
≥ 2500	6.3	90.1	91.7	91.8	93.1	93.2	93.6	93.9	94.0	94.0	94.0	94.0	94.0	94.2	94.2	94.2
≥ 2000	6.4	91.7	92.8	93.8	95.1	95.4	95.8	96.2	96.3	96.5	96.5	96.5	96.5	96.6	96.6	96.6
≥ 1800	6.4	91.8	92.9	93.9	95.2	95.5	95.9	96.3	96.6	96.7	96.7	96.7	96.7	96.9	96.9	96.9
≥ 1500	6.4	92.1	93.2	94.2	95.5	95.9	96.6	97.6	97.8	98.0	98.0	98.0	98.0	98.1	98.1	98.1
≥ 1200	6.4	92.1	93.2	94.2	95.5	95.9	96.6	97.7	98.1	98.2	98.2	98.2	98.2	98.4	98.4	98.4
≥ 1000	6.4	92.1	93.2	94.2	95.7	96.1	96.7	98.5	98.9	99.2	99.2	99.2	99.2	99.3	99.3	99.3
≥ 900	6.4	92.1	93.2	94.2	95.7	96.1	96.7	98.5	98.9	99.2	99.2	99.2	99.2	99.3	99.3	99.3
≥ 800	6.4	92.1	93.3	94.3	95.8	96.2	96.9	98.6	99.0	99.3	99.3	99.3	99.3	99.5	99.5	99.5
≥ 700	6.5	92.3	93.5	94.4	95.9	96.3	97.0	98.8	99.2	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 600	6.5	92.3	93.5	94.4	95.9	96.3	97.0	98.8	99.2	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 500	6.5	92.3	93.5	94.4	95.9	96.3	97.0	98.8	99.2	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 400	6.5	92.3	93.5	94.4	95.9	96.3	97.0	98.8	99.2	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 300	6.5	92.3	93.5	94.4	95.9	96.3	97.0	98.8	99.2	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 200	6.5	92.3	93.5	94.4	95.9	96.3	97.0	98.8	99.2	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 100	6.5	92.3	93.5	94.4	95.9	96.3	97.0	98.8	99.2	99.7	99.7	99.7	99.7	99.9	100.0	100.0
≥ 0	6.5	92.3	93.5	94.4	95.9	96.3	97.0	98.8	99.2	99.7	99.7	99.7	99.7	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 736

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42310 SONORESTROM GL

74-82

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1700-1400
HOURS -151

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.4	≥.4	≥.36	≥.4	≥0
NO CEILING	2.9	35.3	35.4	35.7	35.7	35.8	35.8	35.8	35.8	35.8	35.9	35.9	35.9	35.9	35.9	35.9
≥ 20000	2.7	40.1	47.2	40.5	40.6	40.7	40.7	40.7	40.7	40.7	40.9	40.9	40.9	40.9	40.9	40.9
≥ 18000	3.4	51.9	52.0	52.3	52.4	52.5	52.5	52.5	52.5	52.5	52.7	52.7	52.7	52.7	52.7	52.7
≥ 16000	3.6	52.5	52.7	52.9	53.1	53.2	53.2	53.2	53.2	53.2	53.4	53.4	53.4	53.4	53.4	53.4
≥ 14000	3.6	52.7	52.8	53.1	53.2	53.4	53.4	53.4	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5
≥ 12000	3.7	53.9	54.7	54.3	54.5	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7
≥ 10000	3.8	57.6	57.8	58.0	58.2	58.3	58.3	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4
≥ 9000	3.8	59.1	59.3	59.5	59.7	59.8	59.8	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9
≥ 8000	4.3	65.0	65.2	65.6	66.0	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4
≥ 7000	5.1	70.9	71.1	71.5	72.0	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4
≥ 6000	5.6	73.8	74.1	74.6	75.2	75.4	75.4	75.4	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6
≥ 5000	5.8	77.5	77.9	78.5	79.0	79.6	79.6	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7
≥ 4500	5.8	78.6	79.0	79.6	80.1	80.7	80.7	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8
≥ 4000	6.3	82.4	82.9	83.5	84.2	84.9	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3500	6.3	85.2	85.6	86.4	87.2	87.9	87.9	87.9	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.1
≥ 3000	6.3	87.0	89.6	90.7	91.6	92.3	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2500	6.6	91.2	91.8	92.9	94.4	95.1	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2000	6.6	91.6	92.2	93.3	95.1	95.9	96.7	96.0	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1800	6.7	92.3	92.9	94.0	95.7	96.6	96.7	96.7	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1500	6.7	92.9	93.4	94.5	96.3	97.1	97.4	97.5	97.9	97.9	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1200	6.7	92.9	93.4	94.5	96.3	97.5	97.8	98.1	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000	6.7	93.0	93.6	94.7	96.4	97.8	98.4	98.9	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	6.7	93.0	93.6	94.7	96.4	97.8	98.4	98.9	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	6.7	93.0	93.6	94.7	96.4	97.8	98.4	98.9	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	6.7	93.0	93.6	94.7	96.4	97.8	98.4	98.9	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	6.7	93.0	93.6	94.7	96.4	97.8	98.4	98.9	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	6.7	93.0	93.6	94.7	96.4	97.8	98.4	98.9	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	6.7	93.0	93.6	94.7	96.4	97.8	98.4	98.9	99.3	99.5	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	6.7	93.0	93.6	94.7	96.4	97.8	98.4	98.9	99.3	99.5	99.9	99.9	99.9	99.9	100.0	100.0
≥ 200	6.7	93.0	93.6	94.7	96.4	97.8	98.4	98.9	99.3	99.5	99.9	99.9	99.9	99.9	100.0	100.0
≥ 100	6.7	93.0	93.6	94.7	96.4	97.8	98.4	98.9	99.3	99.5	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0	6.7	93.0	93.6	94.7	96.4	97.8	98.4	98.9	99.3	99.5	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

729

USAF ETAC

FORM 7-74

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42310
STATION

SONDRESTROM GL
STATION NAME

74-82
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS U.S.T.

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	2.5	35.1	35.3	35.3	35.5	35.5	35.5	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
≥ 20000	2.5	39.8	39.9	39.9	40.2	40.2	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
IV 18000	3.7	50.0	50.1	50.1	50.4	50.4	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 16000	3.7	50.6	50.7	50.7	51.0	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
IV 14000	3.7	50.7	50.8	50.8	51.1	51.1	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 12000	3.9	52.2	52.3	52.3	52.6	52.6	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 10000	4.3	56.6	56.7	56.7	57.1	57.0	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 9000	4.4	58.4	58.5	58.5	58.8	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 8000	4.8	64.3	64.5	64.5	64.9	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 7000	5.2	70.1	70.2	70.4	70.8	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 6000	5.5	73.8	74.1	74.4	74.8	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 5000	5.5	78.2	78.5	79.1	79.5	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 4500	5.5	79.9	80.3	80.9	81.3	81.5	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 4000	5.6	83.2	83.6	84.2	84.6	84.8	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 3500	5.6	84.6	85.1	85.7	86.1	86.4	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 3000	5.8	88.0	89.0	89.8	90.4	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 2500	5.8	89.0	90.5	91.5	92.3	92.8	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 2000	5.8	90.1	91.7	93.3	94.4	95.2	95.7	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1800	5.8	90.1	91.7	93.3	94.4	95.2	95.7	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1500	5.8	90.9	92.7	94.2	95.5	96.3	96.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1200	5.9	91.0	92.8	94.5	95.7	96.6	97.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1000	5.9	91.3	93.1	94.8	96.0	96.8	97.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 900	5.9	91.3	93.1	94.8	96.0	96.8	97.4	98.5	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9
IV 800	5.9	91.3	93.1	94.8	96.0	96.8	97.4	98.5	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9
IV 700	5.9	91.3	93.1	94.8	96.0	96.8	97.4	98.6	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	5.9	91.3	93.1	94.8	96.1	97.1	97.7	98.9	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	5.9	91.3	93.1	94.8	96.1	97.2	97.9	99.2	99.3	99.4	99.6	99.7	99.7	99.7	99.7	99.7
IV 400	5.9	91.3	93.1	94.8	96.1	97.2	97.9	99.2	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0
IV 300	5.9	91.3	93.1	94.8	96.1	97.2	97.9	99.2	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0
IV 200	5.9	91.3	93.1	94.8	96.1	97.2	97.9	99.2	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0
IV 100	5.9	91.3	93.1	94.8	96.1	97.2	97.9	99.2	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0
IV 0	5.9	91.3	93.1	94.8	96.1	97.2	97.9	99.2	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 726

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42717
STATION

SONDRESTROM GL
STATION NAME

74-82
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1870-2000
HOURS TEST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.2	≥.16	≥.1
NO CEILING	3.4	37.2	37.2	37.2	37.2	37.2	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 20000	3.4	41.2	41.2	41.2	41.2	41.2	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 18000	4.5	51.0	51.0	51.0	51.0	51.0	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 16000	4.5	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 14000	4.5	51.4	51.4	51.4	51.4	51.4	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 12000	4.5	51.5	51.5	51.5	51.5	51.5	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 10000	4.7	55.9	55.9	55.9	55.9	55.9	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 9000	4.9	57.4	57.4	57.4	57.4	57.4	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 8000	5.2	62.8	63.0	63.3	63.4	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 7000	6.1	68.4	68.9	69.1	69.6	69.6	70.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 6000	6.3	72.1	72.5	73.0	73.5	73.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 5000	6.4	75.7	76.4	77.0	77.4	77.4	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 4500	6.7	77.7	78.5	79.1	79.6	79.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000	7.3	80.6	81.7	82.4	83.0	83.0	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 3500	7.1	81.0	82.3	83.0	83.5	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3000	7.4	85.3	87.3	88.0	88.5	88.8	89.7	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 2500	7.4	86.7	88.8	91.1	90.9	91.6	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 2000	7.4	88.5	90.8	92.0	93.2	94.4	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1800	7.4	89.1	91.6	93.0	94.3	95.5	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1500	7.4	89.7	92.2	93.7	95.1	96.5	97.5	97.9	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200	7.5	89.8	92.3	94.0	95.5	96.9	98.0	98.6	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	7.5	89.9	92.5	94.1	95.8	97.3	98.5	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	7.5	89.9	92.5	94.1	95.8	97.3	98.5	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	7.5	90.1	92.6	94.3	95.9	97.5	98.6	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	7.5	90.2	92.6	94.3	95.9	97.5	98.7	99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	7.5	90.1	92.6	94.3	95.9	97.5	98.7	99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	7.5	90.1	92.6	94.3	95.9	97.5	98.7	99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	7.5	90.1	92.6	94.3	95.9	97.5	98.7	99.3	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0
≥ 300	7.5	90.1	92.6	94.3	95.9	97.5	98.7	99.3	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200	7.5	90.1	92.6	94.3	95.9	97.5	98.7	99.3	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	7.5	90.1	92.6	94.3	95.9	97.5	98.7	99.3	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	7.5	90.1	92.6	94.3	95.9	97.5	98.7	99.3	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 716

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

142312
STATION

SONDRESTROM GL
STATION NAME

74-82
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2107-2300
HOURS (LST)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	3.4	42.1	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 20000	3.7	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 18000	4.2	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 16000	4.2	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 14000	4.2	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 12000	4.2	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 10000	4.2	58.5	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 9000	4.2	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 8000	5.2	69.1	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 7000	5.3	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 6000	5.6	75.8	76.7	76.3	76.4	76.4	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 5000	5.8	79.4	79.6	79.9	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 4500	5.9	79.9	80.2	80.5	80.6	80.6	80.6	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 4000	6.0	81.5	81.9	82.3	82.4	82.4	82.4	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3500	6.0	82.4	82.9	83.3	83.6	83.6	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 3000	6.3	85.7	86.5	87.1	87.8	87.9	87.9	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 2500	6.6	88.6	89.7	90.6	91.7	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 2000	6.9	89.5	90.7	91.9	94.1	95.1	95.6	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1800	6.9	89.6	90.9	92.1	94.4	95.4	95.9	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1500	7.0	90.7	92.0	93.3	95.6	96.6	97.2	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1200	7.1	90.7	92.7	93.3	95.6	96.8	97.5	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	7.2	90.9	92.1	93.5	95.9	97.1	97.8	98.2	98.2	98.5	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	7.2	91.9	92.1	93.5	95.9	97.1	97.8	98.2	98.2	98.5	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	7.2	91.4	92.7	94.1	96.5	97.6	98.3	98.9	98.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	7.2	91.4	92.7	94.1	96.5	97.6	98.3	98.9	98.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	7.2	91.4	92.8	94.2	96.6	97.8	98.5	99.0	99.0	99.3	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	7.2	91.4	92.8	94.2	96.6	97.8	98.5	99.0	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	7.2	91.4	92.8	94.2	96.6	97.8	98.5	99.0	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	7.2	91.4	92.8	94.2	96.6	97.8	98.5	99.0	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	7.2	91.4	92.8	94.2	96.6	97.8	98.5	99.0	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	7.2	91.4	92.8	94.2	96.6	97.8	98.5	99.0	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	7.2	91.4	92.8	94.2	96.6	97.8	98.5	99.0	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 712

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04231
STATION

SONDRESTROM GL

74-82

YEARS

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .025	≥ 0
NO CEILING	3.1	39.6	39.8	39.9	39.9	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	3.1	43.3	43.5	43.6	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 18000	3.9	52.1	52.2	52.2	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 16000	4.1	52.3	52.5	52.6	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 14000	4.1	52.7	52.8	52.9	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 12000	4.1	53.6	53.7	53.8	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 10000	4.3	57.3	57.4	57.5	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 9000	4.3	59.1	59.3	59.4	59.4	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 8000	4.9	66.1	66.3	66.5	66.7	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 7000	5.5	71.6	72.0	72.3	72.5	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 6000	5.8	74.7	75.1	75.6	75.8	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 5000	5.9	77.8	78.3	78.8	79.1	79.2	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4500	6.1	79.1	79.7	80.2	80.5	80.6	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 4000	6.3	82.3	83.1	83.6	84.0	84.1	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 3500	6.4	83.7	84.5	85.2	85.6	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3000	6.6	86.8	88.0	88.9	89.5	89.8	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500	6.7	89.1	90.5	91.8	92.8	93.2	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2000	6.8	90.2	91.7	93.2	94.7	95.5	96.0	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1800	6.8	90.4	92.0	93.4	95.1	95.8	96.3	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1500	6.8	90.9	92.5	94.0	95.7	96.6	97.1	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1200	6.9	91.0	92.7	94.2	95.9	96.8	97.5	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	6.9	91.1	92.8	94.3	96.0	97.0	97.7	98.5	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900	6.9	91.1	92.8	94.3	96.0	97.0	97.7	98.5	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	6.7	91.3	92.9	94.5	96.3	97.3	98.0	98.8	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	7.0	91.3	93.0	94.5	96.4	97.4	98.1	98.9	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	7.1	91.3	93.0	94.5	96.4	97.4	98.1	98.9	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	7.1	91.3	93.0	94.5	96.4	97.4	98.1	98.9	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	7.1	91.3	93.0	94.5	96.4	97.4	98.1	98.9	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9
≥ 300	7.0	91.3	93.0	94.5	96.4	97.4	98.1	98.9	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9
≥ 200	7.0	91.3	93.0	94.5	96.4	97.4	98.1	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	7.1	91.3	93.0	94.5	96.4	97.4	98.1	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	7.0	91.3	93.0	94.5	96.4	97.4	98.1	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 5783

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4231 SONDRESTROM GL

74-87

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-0200
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1
NO CEILING	3.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 20000	3.4	45.8	45.8	45.8	45.8	45.8	46.7	46.0	46.7	46.0	46.7	46.0	46.0	46.0	46.0	46.0
≥ 18000	4.1	56.9	56.9	56.9	56.9	56.9	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 16000	4.1	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 14000	4.1	56.9	56.9	56.9	56.9	56.9	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 12000	4.1	57.7	57.7	57.7	57.7	57.7	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 10000	4.3	67.6	67.6	67.6	67.6	67.6	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 9000	4.4	61.7	61.7	61.7	61.7	61.7	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 8000	5.0	68.7	68.7	68.7	68.7	68.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 7000	5.2	75.9	75.9	75.9	76.0	76.0	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 6000	5.2	77.9	78.7	78.0	78.2	78.2	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 5000	5.5	78.9	79.7	79.0	79.1	79.1	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 4500	5.5	79.3	79.4	79.4	79.6	79.6	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000	5.7	83.5	83.8	84.0	84.1	84.1	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3500	5.8	85.1	85.7	86.0	86.2	86.2	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3000	6.1	87.9	88.8	89.4	89.8	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 2500	6.1	89.4	91.4	91.3	91.8	92.1	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 2000	6.0	90.6	91.9	93.3	94.7	94.8	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1800	6.1	90.8	92.1	93.5	94.2	94.9	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1500	6.1	90.9	92.2	93.8	94.5	95.3	96.5	97.2	97.2	97.3	97.3	97.3	97.3	97.4	97.4	97.4
≥ 1200	6.1	90.9	92.2	93.8	94.5	95.3	96.5	97.3	97.3	97.4	97.4	97.4	97.4	97.6	97.6	97.6
≥ 1000	6.1	91.3	92.6	94.2	94.9	95.7	96.9	97.9	97.9	98.2	98.3	98.3	98.4	98.4	98.4	98.4
≥ 900	6.1	91.3	92.6	94.2	94.9	95.7	96.9	97.9	97.9	98.2	98.3	98.3	98.4	98.4	98.4	98.4
≥ 800	6.1	91.3	92.6	94.2	94.9	95.7	96.9	98.0	98.0	98.4	98.7	98.7	98.9	98.9	98.9	98.9
≥ 700	6.1	91.5	92.8	94.3	95.0	95.9	97.0	98.2	98.2	98.7	99.0	99.0	99.1	99.1	99.1	99.1
≥ 600	6.1	91.5	92.8	94.3	95.0	95.9	97.0	98.2	98.2	98.7	99.0	99.0	99.1	99.1	99.3	99.3
≥ 500	6.1	91.5	92.8	94.3	95.0	95.9	97.0	98.2	98.2	98.7	99.0	99.1	99.3	99.3	99.6	99.6
≥ 400	6.1	91.5	92.8	94.3	95.0	95.9	97.0	98.2	98.3	98.9	99.1	99.3	99.4	99.4	99.7	99.7
≥ 300	6.1	91.5	92.8	94.3	95.0	95.9	97.0	98.2	98.3	98.9	99.1	99.3	99.4	99.4	99.7	99.7
≥ 200	6.1	91.5	92.8	94.3	95.0	95.9	97.0	98.2	98.3	98.9	99.1	99.3	99.6	99.6	99.9	99.9
≥ 100	6.1	91.5	92.8	94.3	95.0	95.9	97.0	98.2	98.3	98.9	99.1	99.3	99.6	99.6	99.9	99.9
≥ 0	6.1	91.5	92.8	94.3	95.0	95.9	97.0	98.2	98.3	98.9	99.1	99.3	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 705

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NO. 142310 STATION NAME SONORESTROM GL

74-82

YEARS

NOV

0300-0500
HOURS (EST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	3.3	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 20000	3.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 18000	4.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 16000	4.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 14000	4.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 12000	4.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 10000	4.4	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 9000	4.4	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 8000	5.0	68.7	68.7	68.8	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 7000	5.2	74.6	74.6	74.9	74.9	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 6000	5.4	76.7	76.9	77.2	77.7	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 5000	5.7	77.2	77.4	77.9	77.9	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 4500	5.7	78.2	78.4	78.9	78.9	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4000	5.8	82.3	82.7	83.1	83.1	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 3500	5.8	83.5	84.1	84.5	85.0	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 3000	6.1	87.5	88.2	89.2	89.9	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 2500	6.1	90.2	91.1	92.2	92.9	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2000	6.1	92.2	93.2	94.5	95.5	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1800	6.0	92.3	93.3	94.6	95.6	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1500	6.1	92.3	93.3	94.8	96.0	96.7	97.3	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	6.1	92.3	93.3	94.8	96.1	96.7	97.4	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000	6.1	92.5	93.5	94.9	96.2	96.9	97.6	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	6.1	92.5	93.5	94.9	96.2	96.9	97.6	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	6.1	92.8	93.8	95.2	96.5	97.2	97.9	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	6.1	92.8	93.8	95.2	96.5	97.2	97.9	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	6.1	92.8	93.8	95.2	96.5	97.2	97.9	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	6.1	92.8	93.8	95.2	96.5	97.2	97.9	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	6.1	92.8	93.8	95.2	96.5	97.2	97.9	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	6.0	92.8	93.8	95.2	96.5	97.2	97.9	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	6.0	92.8	93.8	95.2	96.5	97.2	97.9	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	6.1	92.8	93.8	95.2	96.5	97.2	97.9	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 50	6.1	92.8	93.8	95.2	96.5	97.2	97.9	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 705

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4271
STATION

SONDRESTROM GL
STATION NAME

74-87
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5630-7800
HOURS TEST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING	4.9	43.8	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 20000	5.2	46.8	46.8	47.1	47.0	47.0	47.7	47.0	47.7	47.0	47.7	47.0	47.7	47.0	47.0	47.0
≥ 18000	6.1	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 16000	6.1	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 14000	6.1	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 12000	6.1	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 10000	6.3	59.5	59.5	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 9000	6.3	60.4	60.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 8000	6.5	66.9	66.9	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 7000	7.1	74.9	75.1	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 6000	7.3	78.7	78.1	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 5000	7.3	79.1	79.1	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 4500	7.3	79.5	79.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 4000	7.5	83.6	83.9	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 3500	7.6	85.3	85.7	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 3000	7.8	89.1	89.5	90.3	90.6	90.8	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2500	7.8	90.9	91.4	92.2	92.5	92.7	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 2000	7.8	92.4	92.9	94.1	94.5	95.1	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800	7.8	92.4	92.9	94.1	94.5	95.1	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1600	7.8	92.7	93.2	94.5	95.4	96.3	97.1	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1400	7.8	92.7	93.2	94.5	95.4	96.3	97.4	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	7.8	92.7	93.2	94.5	95.4	96.3	97.4	98.3	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000	7.8	92.7	93.2	94.5	95.4	96.3	97.4	98.3	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	7.8	93.1	93.7	95.0	95.8	96.7	97.8	98.8	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	7.8	93.1	93.7	95.0	95.8	96.7	97.8	98.8	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	7.8	93.1	93.7	95.1	96.0	96.8	98.1	99.0	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	7.8	93.1	93.7	95.1	96.0	96.8	98.1	99.0	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	7.8	93.1	93.7	95.1	96.0	96.8	98.1	99.0	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	7.8	93.1	93.7	95.1	96.0	96.8	98.1	99.0	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	7.8	93.1	93.7	95.2	96.1	97.0	98.1	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	7.8	93.1	93.7	95.2	96.1	97.0	98.1	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	7.8	93.1	93.7	95.2	96.1	97.0	98.1	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	7.8	93.1	93.7	95.2	96.1	97.0	98.1	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 698

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42317

SONDRESTRON GL

74-87

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥.005
NO CEILING	3.1	39.7	39.8	39.8	39.8	39.8	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 20000	3.1	43.2	43.3	43.3	43.3	43.3	43.3	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 8000	4.2	56.7	56.8	56.8	56.8	56.8	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 6000	4.2	57.1	57.2	57.2	57.2	57.2	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 4000	4.2	57.1	57.2	57.2	57.2	57.2	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 2000	4.4	57.8	57.9	57.9	57.9	57.9	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 1500	4.4	59.4	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 900	4.4	60.8	60.9	60.9	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 800	5.1	68.2	68.6	69.1	69.2	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 700	5.3	76.1	76.7	77.1	77.2	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 600	5.5	78.5	79.7	79.6	80.7	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 500	5.6	80.5	81.0	81.6	82.1	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 450	5.6	81.0	81.6	82.1	82.7	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 400	5.8	84.1	84.7	85.4	85.9	86.4	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 350	5.9	86.5	87.1	87.8	88.3	88.9	89.7	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 300	6.2	89.0	90.3	91.4	92.1	92.7	93.7	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 250	6.2	90.6	92.3	93.7	94.5	95.2	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 200	6.3	91.3	93.0	94.5	95.6	96.5	97.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1800	6.3	91.3	93.1	94.5	95.6	96.5	97.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1500	6.3	91.4	93.1	94.8	95.9	96.8	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	6.3	91.4	93.1	94.8	96.1	96.9	97.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	6.3	91.4	93.1	94.8	96.1	97.0	98.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	6.3	91.4	93.1	94.8	96.1	97.0	98.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	6.3	91.4	93.1	94.8	96.1	97.0	98.2	99.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	6.3	91.4	93.1	94.8	96.1	97.1	98.2	99.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	6.3	91.4	93.1	94.9	96.2	97.2	98.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	6.3	91.4	93.1	94.9	96.2	97.2	98.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	6.3	91.4	93.1	94.9	96.2	97.2	98.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	6.3	91.4	93.1	94.9	96.2	97.2	98.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	6.3	91.4	93.1	94.9	96.2	97.2	98.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	6.3	91.4	93.1	94.9	96.2	97.2	98.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	6.3	91.4	93.1	94.9	96.2	97.2	98.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 711

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42711
STATION

SONDRESTROM GL
STATION NAME

74-82
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1230-1400
HOURS (LST)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING	2.9	37.9	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 20000	3.1	42.9	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 18000	5.0	58.5	58.7	58.8	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 16000	5.2	59.1	59.2	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 14000	5.2	59.5	59.7	59.8	59.8	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 12000	5.2	60.4	61.5	60.7	61.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 10000	5.3	64.5	64.7	64.8	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 9000	5.4	66.4	66.5	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 8000	5.7	73.1	73.2	73.5	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 7000	5.9	79.3	79.4	79.7	80.0	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 6000	5.9	81.1	81.3	81.5	81.8	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 5000	6.0	83.0	83.3	83.5	83.8	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4500	6.2	84.0	84.3	84.5	84.8	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 4000	6.2	87.4	88.3	88.7	89.0	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 3500	6.4	89.3	90.4	90.8	91.4	92.4	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 3000	6.4	91.0	92.1	92.6	93.3	94.4	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 2500	6.4	92.0	93.4	93.8	95.0	96.1	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 2000	6.6	92.7	94.3	94.7	95.9	97.4	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1800	6.6	92.7	94.3	94.7	95.9	97.6	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1500	6.6	92.7	94.3	94.7	95.9	97.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1200	6.6	92.7	94.3	94.7	95.9	97.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	6.6	92.7	94.3	94.7	95.9	97.7	98.7	99.1	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7
≥ 900	6.6	92.7	94.3	94.7	95.9	97.7	98.7	99.1	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7
≥ 800	6.6	92.7	94.3	94.7	95.9	97.7	98.9	99.3	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9
≥ 700	6.6	92.7	94.3	94.7	95.9	97.7	98.9	99.3	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0
≥ 600	6.6	92.7	94.3	94.7	95.9	97.7	98.9	99.3	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0
≥ 500	6.6	92.7	94.3	94.7	95.9	97.7	98.9	99.3	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0
≥ 400	6.6	92.7	94.3	94.7	95.9	97.7	98.9	99.3	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0
≥ 300	6.6	92.7	94.3	94.7	95.9	97.7	98.9	99.3	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200	6.6	92.7	94.3	94.7	95.9	97.7	98.9	99.3	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100	6.6	92.7	94.3	94.7	95.9	97.7	98.9	99.3	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0	6.6	92.7	94.3	94.7	95.9	97.7	98.9	99.3	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 699

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

042317 SONDRESTROM GL

74-87

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING	2.4	39.3	39.3	38.3	38.3	38.3	39.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
≥ 20000	2.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 18000	3.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 16000	3.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 14000	3.4	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 12000	3.4	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 10000	3.6	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 9000	4.2	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 8000	4.7	70.2	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 7000	4.9	77.0	77.3	77.3	77.3	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 6000	4.9	78.5	78.8	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 5000	5.7	82.1	82.4	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 4500	5.2	82.9	83.2	83.2	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 4000	5.5	87.5	88.1	88.1	88.2	88.4	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 3500	5.6	88.2	89.0	89.4	90.1	90.2	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 3000	5.7	91.8	91.7	92.3	93.1	93.5	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 2500	5.7	91.8	92.7	93.7	95.1	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 2000	6.0	93.1	94.0	95.1	96.7	97.6	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	6.0	93.1	94.0	95.1	96.7	97.6	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1600	6.1	93.1	94.0	95.1	96.7	97.6	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1400	6.1	93.1	94.0	95.1	96.7	97.6	98.6	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	6.1	93.1	94.0	95.1	96.7	97.6	98.6	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	6.1	93.1	94.0	95.1	96.7	97.6	98.6	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	6.1	93.1	94.0	95.1	96.7	97.6	98.6	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	6.0	93.1	94.0	95.1	96.8	97.7	99.0	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	6.1	93.1	94.0	95.1	96.8	97.7	99.0	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	6.0	93.1	94.0	95.1	96.8	97.7	99.0	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	6.1	93.1	94.0	95.1	96.8	97.7	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	6.0	93.1	94.0	95.1	96.8	97.7	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	6.0	93.1	94.0	95.1	96.8	97.7	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	6.0	93.1	94.0	95.1	96.8	97.7	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	6.1	93.1	94.0	95.1	96.8	97.7	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	6.1	93.1	94.0	95.1	96.8	97.7	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 697

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

042317

SONDRESTROM GL

74-87

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (EST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	45.1	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥20000	45.1	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥18000	45.1	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥16000	55.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥14000	55.1	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥12000	55.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥10000	55.5	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥9000	55.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥8000	65.4	70.6	70.6	70.6	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥7000	65.7	76.8	76.8	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥6000	75.1	79.2	79.2	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥5000	75.5	82.2	82.2	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥4500	75.8	83.2	83.2	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥4000	85.1	87.6	87.9	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥3500	85.1	88.6	88.9	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥3000	85.3	91.3	91.9	92.6	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥2500	85.3	92.2	93.0	94.2	94.9	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥2000	85.3	93.9	95.0	96.3	97.3	97.9	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥1800	85.3	94.5	95.6	96.9	97.9	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥1500	85.3	94.6	95.7	97.0	98.0	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥1200	85.4	94.7	95.9	97.2	98.2	98.9	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥1000	85.4	94.7	95.9	97.2	98.2	98.9	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥900	85.4	94.7	95.9	97.2	98.2	98.9	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥800	85.4	94.7	95.9	97.2	98.3	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥700	85.4	94.7	95.9	97.2	98.3	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥600	85.4	94.7	95.9	97.2	98.3	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥500	85.4	94.7	95.9	97.2	98.3	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥400	85.4	94.7	95.9	97.2	98.3	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥300	85.4	94.7	95.9	97.2	98.3	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥200	85.4	94.7	95.9	97.2	98.3	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥100	85.4	94.7	95.9	97.2	98.3	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥50	85.4	94.7	95.9	97.2	98.3	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0	85.4	94.7	95.9	97.2	98.3	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 703

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

042310
STATION

SONDRESTROM GL
STATION NAME

74-87
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	4.7	43.7	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	44.0	44.0
≥ 20000	4.7	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.6	46.6
≥ 18000	4.9	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4
≥ 6000	4.9	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8	57.8
≥ 14000	4.9	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8	57.8
≥ 2000	4.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.3	58.3
≥ 10000	5.2	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.0	62.0
≥ 9000	5.2	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.3	62.3
≥ 9400	5.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.9	68.9
≥ 7000	5.9	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.1	75.1
≥ 6000	6.1	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8	78.8
≥ 5000	6.6	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.4
≥ 4500	6.8	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.0	81.0
≥ 4000	7.1	85.5	85.9	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.3	86.3
≥ 3500	7.1	86.8	87.3	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.8	87.8
≥ 3000	7.1	89.1	89.6	90.2	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.6	90.6
≥ 2500	7.1	91.1	91.9	92.9	93.8	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.4	94.4
≥ 2000	7.1	91.9	93.2	94.5	95.5	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.8
≥ 1800	7.1	92.4	93.7	95.0	96.0	96.7	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4
≥ 1500	7.1	92.7	94.0	95.4	96.5	97.3	98.1	98.1	98.3	98.6	98.6	98.6	98.6	98.6	98.7	98.7
≥ 1200	7.1	92.7	94.0	95.4	96.5	97.3	98.1	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.1	99.1
≥ 1000	7.1	92.7	94.0	95.4	96.5	97.3	98.1	98.7	99.0	99.3	99.4	99.4	99.4	99.4	99.6	99.6
≥ 900	7.1	92.7	94.0	95.4	96.5	97.3	98.1	98.7	99.0	99.3	99.4	99.4	99.4	99.4	99.6	99.6
≥ 800	7.1	92.7	94.0	95.4	96.5	97.3	98.1	98.7	99.0	99.3	99.4	99.4	99.4	99.4	99.6	99.6
≥ 700	7.1	92.7	94.0	95.4	96.5	97.3	98.1	98.7	99.0	99.3	99.4	99.4	99.4	99.4	99.6	99.6
≥ 600	7.1	92.7	94.0	95.4	96.5	97.3	98.1	98.7	99.0	99.3	99.4	99.4	99.4	99.4	99.6	99.6
≥ 500	7.1	92.7	94.0	95.4	96.5	97.3	98.1	98.7	99.0	99.3	99.4	99.4	99.4	99.4	99.6	99.6
≥ 400	7.1	92.7	94.0	95.4	96.5	97.3	98.1	98.7	99.0	99.3	99.4	99.4	99.4	99.4	99.6	99.6
≥ 300	7.1	92.7	94.0	95.4	96.5	97.3	98.1	98.7	99.0	99.3	99.4	99.4	99.4	99.4	99.6	99.6
≥ 200	7.1	92.7	94.0	95.4	96.5	97.3	98.1	98.7	99.0	99.3	99.4	99.4	99.4	99.4	99.6	99.6
≥ 100	7.1	92.7	94.0	95.4	96.5	97.3	98.1	98.7	99.0	99.3	99.4	99.4	99.4	99.4	99.6	99.6
≥ 0	7.1	92.7	94.0	95.4	96.5	97.3	98.1	98.7	99.0	99.3	99.4	99.4	99.4	99.4	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 695

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 142717 SONDRESTROM GL

74-87

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-11

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING	3.5	42.1	47.1	42.1	42.1	42.1	42.1	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 20000	3.6	45.0	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 18000	4.5	57.1	57.0	57.1	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 16000	4.6	57.4	57.4	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 14000	4.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8	57.8
≥ 12000	4.6	57.9	58.0	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2
≥ 10000	4.9	60.8	61.9	61.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 9000	5.1	62.4	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 8000	5.5	69.4	69.5	69.6	69.7	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 7000	5.3	76.2	76.3	76.5	76.6	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 6000	5.9	78.6	78.7	79.0	79.1	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 5000	6.2	80.4	80.6	80.8	81.0	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4500	6.3	81.1	81.3	81.6	81.7	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4000	6.4	85.2	85.6	86.0	86.2	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 3500	6.5	86.7	87.3	87.7	88.1	88.3	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 3000	6.7	89.5	90.3	91.0	91.5	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.3	92.3
≥ 2500	6.7	91.3	92.0	93.0	93.8	94.3	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2000	6.7	92.3	93.4	94.6	95.6	96.4	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1800	6.7	92.4	93.6	94.8	95.8	96.6	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1500	6.7	92.5	93.7	95.0	96.1	97.0	97.9	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1200	6.8	92.6	93.7	95.0	96.1	97.1	98.0	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000	6.8	92.6	93.8	95.1	96.2	97.2	98.1	98.8	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	6.8	92.6	93.8	95.1	96.2	97.2	98.1	98.8	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	6.8	92.7	93.9	95.2	96.3	97.3	98.3	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.8
≥ 700	6.8	92.7	93.9	95.2	96.4	97.3	98.3	99.1	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	6.8	92.7	93.9	95.2	96.4	97.3	98.3	99.1	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.9
≥ 500	6.8	92.7	93.9	95.2	96.4	97.3	98.3	99.1	99.3	99.6	99.8	99.8	99.9	99.9	99.9	99.9
≥ 400	6.8	92.7	93.9	95.2	96.4	97.3	98.3	99.1	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9
≥ 300	6.8	92.7	93.9	95.3	96.4	97.4	98.3	99.1	99.4	99.7	99.9	99.9	99.9	99.9	100.0	100.0
≥ 200	6.8	92.7	93.9	95.3	96.4	97.4	98.3	99.1	99.4	99.7	99.9	99.9	99.9	99.9	100.0	100.0
≥ 100	6.8	92.7	93.9	95.3	96.4	97.4	98.3	99.1	99.4	99.7	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0	6.8	92.7	93.9	95.3	96.4	97.4	98.3	99.1	99.4	99.7	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 5609

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42310 SONDRESTROM GL

74-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥.05
NO CEILING	2.6	48.3	49.9	48.9	48.9	48.9	49.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 20000	2.8	50.3	50.8	50.8	50.8	50.8	51.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 18000	3.6	63.7	64.3	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 16000	3.6	64.4	65.0	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 14000	3.6	65.2	65.8	65.9	65.9	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 12000	3.9	66.6	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 10000	4.1	70.9	71.7	71.9	71.9	71.9	72.1	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 9000	4.4	71.9	72.7	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 8000	5.3	78.0	78.8	78.9	78.9	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 7000	5.7	84.3	85.3	85.9	85.9	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 6000	5.7	85.7	86.7	87.3	87.3	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 5000	5.7	86.6	87.5	88.1	88.1	88.2	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 4500	5.7	87.1	88.1	88.6	88.6	88.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 4000	5.8	90.4	91.4	92.2	92.2	92.4	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 3500	5.8	91.1	92.1	92.9	92.9	93.1	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 3000	6.3	93.1	94.2	95.0	95.0	95.2	95.4	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8
≥ 2500	6.1	93.6	94.7	95.6	95.7	96.3	96.8	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2
≥ 2000	6.0	93.8	95.2	96.3	96.8	97.4	98.1	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1800	6.3	93.8	95.2	96.3	96.8	97.4	98.1	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1500	6.1	93.8	95.2	96.3	96.8	97.4	98.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	6.1	93.8	95.2	96.3	96.8	97.4	98.2	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	6.1	93.8	95.2	96.3	96.8	97.4	98.2	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	6.0	93.8	95.2	96.3	96.8	97.4	98.2	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	6.0	93.8	95.2	96.3	96.8	97.4	98.2	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	6.1	93.8	95.2	96.3	96.8	97.4	98.2	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	6.1	93.8	95.2	96.3	96.8	97.4	98.2	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	6.1	93.8	95.2	96.3	96.8	97.4	98.2	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	6.0	93.8	95.2	96.3	96.8	97.4	98.2	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	6.0	93.8	95.2	96.3	96.8	97.4	98.2	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	6.0	93.8	95.2	96.3	96.8	97.4	98.2	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	6.1	93.8	95.2	96.3	96.8	97.4	98.2	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	6.1	93.9	95.3	96.4	97.0	97.5	98.3	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 722

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
04231

STATION NAME
SONDRESTROM GL

YEARS
74-82

MONTH
DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS - LT

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO. CEILING	2.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 20000	2.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 18000	3.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 16000	3.8	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 14000	3.8	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 12000	4.7	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 10000	4.4	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 9000	4.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 8000	4.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 7000	5.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 6000	5.3	85.8	86.2	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 5000	5.3	86.7	87.3	87.4	87.8	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 4500	5.3	87.0	87.6	87.7	88.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 4000	5.3	89.1	89.6	90.0	90.4	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 3500	5.3	89.6	90.3	90.7	91.1	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 3000	5.3	91.4	92.6	93.3	94.0	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 2500	5.6	92.9	94.3	95.1	95.9	95.9	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 2000	5.6	93.4	94.8	95.8	97.5	98.2	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1800	5.6	93.4	94.8	95.8	97.5	98.2	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1500	5.6	93.4	94.8	95.8	97.5	98.4	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1200	5.6	93.4	94.8	95.8	97.5	98.4	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	5.6	93.6	94.9	95.9	97.7	98.5	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 900	5.6	93.6	94.9	95.9	97.7	98.5	99.2	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 800	5.6	93.6	94.9	95.9	97.7	98.5	99.2	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 700	5.6	93.6	94.9	95.9	97.7	98.5	99.2	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 600	5.6	93.6	94.9	95.9	97.7	98.5	99.2	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 500	5.6	93.6	94.9	95.9	97.7	98.5	99.2	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 400	5.6	93.6	94.9	95.9	97.7	98.5	99.2	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 300	5.6	93.6	94.9	95.9	97.7	98.5	99.2	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	5.6	93.6	94.9	95.9	97.7	98.5	99.2	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	5.6	93.6	94.9	95.9	97.7	98.5	99.2	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ U	5.6	93.6	94.9	95.9	97.7	98.5	99.2	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 732

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 42310 SONDESTROM GL

74-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2600-0800
HOURS - LT

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	3.7	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 20000	3.7	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 18000	5.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 16000	5.5	63.1	63.2	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 14000	5.5	63.1	63.2	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 12000	5.5	64.3	64.5	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 10000	5.5	67.5	67.6	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 9000	6.0	68.8	68.9	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 8000	6.5	76.1	76.3	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 7000	7.0	82.7	83.1	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 6000	7.1	86.1	86.8	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 5000	7.1	87.2	87.9	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 4500	7.4	87.8	88.5	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 4000	7.4	90.2	90.9	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3500	7.4	90.9	91.6	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 3000	7.7	93.5	94.5	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2500	7.7	93.8	95.1	96.0	96.3	96.3	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 2000	7.7	93.8	95.7	96.2	97.4	98.0	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1800	7.7	94.0	95.3	96.4	97.7	98.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	7.7	94.2	95.5	96.6	97.9	98.4	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	7.7	94.2	95.5	96.6	97.9	98.4	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	7.7	94.5	95.7	96.9	98.2	98.7	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	7.7	94.5	95.7	96.9	98.2	98.7	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	7.7	94.5	95.7	96.9	98.2	98.7	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	7.7	94.5	95.7	96.9	98.2	98.7	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	7.7	94.5	95.7	96.9	98.2	98.7	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	7.7	94.5	95.7	96.9	98.2	98.7	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	7.7	94.5	95.7	96.9	98.2	98.7	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	7.7	94.6	95.9	97.0	98.3	98.9	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	7.7	94.6	95.9	97.0	98.3	98.9	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	7.7	94.6	95.9	97.0	98.3	98.9	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	7.7	94.6	95.9	97.0	98.3	98.9	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 704

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

042317
STATION

SONDRESTPOM GL
STATION NAME

74-82
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	3.5	42.4	42.4	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 20000	3.5	43.1	43.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 18000	4.1	56.4	56.4	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 16000	4.3	57.7	57.7	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 14000	4.3	57.7	57.7	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 12000	4.4	58.8	58.8	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 10000	5.1	63.4	63.4	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 9000	5.1	65.5	65.5	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 8000	5.4	74.3	74.3	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 7000	5.8	81.1	81.2	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 6000	5.9	83.6	83.7	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 5000	6.2	85.4	85.6	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 4500	6.2	86.0	86.3	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 4000	6.2	88.7	89.0	89.6	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 3500	6.4	89.8	90.1	90.7	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 3000	6.5	92.4	93.7	93.9	94.6	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 2500	6.5	93.5	94.3	95.4	96.3	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 2000	6.5	93.6	94.5	96.1	97.1	97.7	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1800	6.5	93.6	94.5	96.1	97.1	97.7	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1500	6.5	93.6	94.5	96.1	97.2	98.1	98.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200	6.5	93.6	94.5	96.1	97.2	98.1	98.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	6.5	93.6	94.5	96.1	97.2	98.1	98.8	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	6.5	93.6	94.5	96.1	97.2	98.1	98.8	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	6.5	93.8	94.6	96.3	97.4	98.2	98.9	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	6.5	93.8	94.6	96.3	97.4	98.2	98.9	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	6.5	93.8	94.6	96.3	97.4	98.2	98.9	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	6.5	93.8	94.6	96.3	97.4	98.2	98.9	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	6.5	93.8	94.6	96.3	97.4	98.2	98.9	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	6.5	93.9	94.8	96.4	97.5	98.3	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	6.5	93.9	94.8	96.4	97.5	98.3	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	6.5	93.9	94.8	96.4	97.5	98.3	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	6.5	93.9	94.8	96.4	97.5	98.3	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 724

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: 142310 SONDRESTROM GL

74-87

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING	3.2	41.2	41.2	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 20000	3.2	43.6	43.7	44.1	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 18000	3.9	58.4	58.5	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 16000	3.9	60.2	60.4	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 14000	3.9	61.5	61.6	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 12000	4.3	62.7	62.9	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 10000	4.6	67.5	67.6	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 9000	5.0	69.3	69.5	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 8000	5.3	76.2	76.5	76.9	77.0	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 7000	5.7	83.3	83.8	84.2	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 6000	5.7	85.6	86.0	86.6	86.8	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 5000	5.9	87.3	87.7	88.2	88.5	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 4500	5.9	88.4	88.9	89.5	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 4000	6.3	90.1	90.6	91.2	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 3500	6.3	91.3	91.9	92.4	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 3000	6.3	94.1	94.8	95.5	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2500	6.3	94.1	95.1	96.1	96.5	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 2000	6.3	94.3	95.1	96.5	97.3	98.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800	6.3	94.3	95.1	96.5	97.3	98.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	6.3	94.3	95.1	96.5	97.3	98.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	6.3	94.3	95.1	96.5	97.3	98.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	6.3	94.3	95.1	96.5	97.3	98.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	6.3	94.3	95.1	96.5	97.3	98.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	6.3	94.3	95.1	96.5	97.3	98.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	6.3	94.3	95.1	96.5	97.3	98.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	6.3	94.3	95.1	96.5	97.3	98.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	6.3	94.3	95.1	96.5	97.3	98.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	6.3	94.3	95.1	96.5	97.3	98.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	6.3	94.3	95.1	96.5	97.3	98.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	6.3	94.3	95.1	96.5	97.3	98.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	6.3	94.3	95.1	96.5	97.3	98.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	6.3	94.3	95.1	96.5	97.3	98.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

714

USAF ETAC

FORM 10-64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

142717 SONDRESTROM GL

74-87

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	3.4	41.1	47.1	40.1	40.2	40.2	43.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 20000	3.5	42.8	42.8	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 18000	4.5	55.8	55.8	55.8	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 16000	4.5	56.8	56.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 14000	4.5	57.7	57.7	57.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 12000	5.1	59.5	59.5	59.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 10000	5.5	64.6	64.6	64.6	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 9000	5.6	66.2	66.2	66.2	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 8000	5.8	73.0	73.0	73.0	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 7000	6.5	81.3	81.3	81.4	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 6000	6.6	83.8	84.1	84.1	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 5000	6.8	85.5	85.7	85.9	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 4500	6.7	85.8	86.1	86.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 4000	6.9	88.2	88.7	89.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 3500	6.8	90.6	91.1	91.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 3000	6.9	92.5	93.2	93.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 2500	6.9	93.7	94.5	95.2	96.8	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 2000	6.9	94.0	94.8	95.6	97.7	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1800	6.9	94.0	94.8	95.6	97.7	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1500	6.9	94.0	94.8	95.8	97.9	98.7	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	6.9	94.0	94.8	95.8	97.9	98.7	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	6.9	94.0	94.8	95.8	97.9	98.7	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	6.9	94.0	94.8	95.8	97.9	98.7	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	6.9	94.0	94.8	95.8	97.9	98.7	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	6.9	94.0	94.8	95.8	97.9	98.7	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	6.9	94.0	94.8	95.8	97.9	98.7	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	6.9	94.0	94.8	95.8	97.9	98.7	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	6.9	94.0	94.8	95.8	97.9	98.7	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	6.9	94.0	94.8	95.8	97.9	98.7	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	6.9	94.0	94.8	95.8	97.9	98.7	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	6.9	94.0	94.8	95.8	97.9	98.7	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	6.9	94.0	94.8	95.8	97.9	98.7	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 711

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 1271 SONDRESTROM GL

74-87

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-2000
HOURS EST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1 1/2	≥1 1/4	≥1	≥3/4	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥0
NO CEILING	3.3	46.3	46.3	46.0	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 20000	3.3	49.3	49.3	49.3	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 18000	3.8	57.3	57.3	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 16000	3.8	58.2	58.2	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 14000	3.8	59.7	59.7	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 12000	4.2	61.6	61.6	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 10000	4.5	65.7	65.7	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 9000	4.8	67.5	67.5	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 8000	5.2	74.0	74.0	74.1	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 7000	5.9	81.5	81.6	81.8	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 6000	6.1	83.8	84.1	84.2	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 5000	6.4	85.4	85.7	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 4500	5.4	87.1	87.3	87.5	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 4000	6.4	89.9	90.2	90.3	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 3500	6.4	91.6	91.8	92.0	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 3000	6.4	94.4	94.8	95.1	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 2500	6.7	95.5	96.1	96.6	97.1	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 2000	6.7	95.8	96.3	97.0	97.8	98.0	98.5	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1800	6.7	95.8	96.3	97.0	97.8	98.1	98.9	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1500	6.7	95.8	96.3	97.0	97.8	98.1	98.9	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1200	6.7	95.8	96.3	97.0	97.8	98.1	98.9	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	6.7	95.8	96.3	97.0	97.8	98.1	98.9	99.0	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	6.7	95.8	96.3	97.0	97.8	98.1	98.9	99.0	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	6.7	95.8	96.3	97.0	97.8	98.1	98.9	99.0	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	6.7	95.8	96.3	97.0	97.8	98.1	98.9	99.0	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0
≥ 600	6.7	95.8	96.3	97.0	97.8	98.1	98.9	99.0	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0
≥ 500	6.7	95.8	96.3	97.0	97.8	98.1	98.9	99.0	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0
≥ 400	6.7	95.8	96.3	97.0	97.8	98.1	98.9	99.0	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0
≥ 300	6.7	95.8	96.3	97.0	97.8	98.1	98.9	99.0	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	6.7	95.8	96.3	97.0	97.8	98.1	98.9	99.0	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	6.7	95.8	96.3	97.0	97.8	98.1	98.9	99.0	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	6.7	95.8	96.3	97.0	97.8	98.1	98.9	99.0	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 735

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4271
STATION

SONDRESTROM GL
STATION NAME

74-87
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	3.6	46.8	47.1	47.1	47.1	47.1	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥20000	3.6	48.5	48.6	48.8	48.8	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥18000	4.5	58.7	58.8	58.9	58.9	58.9	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥16000	4.5	59.6	59.8	59.9	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥14000	4.7	60.6	60.7	60.9	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥12000	4.9	62.1	62.2	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥10000	5.4	66.8	66.9	67.0	67.0	67.0	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥9000	5.8	67.9	68.0	68.1	68.1	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥8000	6.5	74.5	74.6	74.7	74.7	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥7000	6.9	80.9	81.0	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥6000	7.1	83.5	83.8	83.9	83.9	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥5000	7.7	85.1	85.3	85.4	85.4	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥4500	7.7	86.5	87.1	87.2	87.2	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥4000	7.7	89.7	90.1	90.4	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥3500	8.1	91.1	91.5	92.0	92.0	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥3000	8.1	93.5	94.5	95.3	95.5	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥2500	8.2	94.5	95.5	96.4	96.6	96.7	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥2000	8.2	94.6	95.6	96.8	97.7	97.9	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥1800	8.2	94.8	95.7	97.0	97.8	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥1500	8.2	94.9	95.9	97.1	97.9	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥1200	8.2	94.9	95.9	97.1	97.9	98.4	98.6	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥1000	8.2	95.1	96.1	97.3	98.1	98.5	98.8	99.2	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7
≥900	8.2	95.1	96.0	97.3	98.1	98.5	98.8	99.2	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7
≥800	8.2	95.1	96.0	97.3	98.1	98.5	98.8	99.2	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥700	8.2	95.1	96.0	97.3	98.1	98.5	98.8	99.2	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥600	8.2	95.1	96.0	97.3	98.1	98.5	98.8	99.2	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥500	8.2	95.1	96.0	97.3	98.1	98.5	98.8	99.2	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥400	8.2	95.1	96.0	97.3	98.1	98.5	98.8	99.2	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥300	8.2	95.1	96.0	97.3	98.1	98.5	98.8	99.2	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥200	8.2	95.1	96.0	97.3	98.1	98.5	98.8	99.2	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥100	8.2	95.1	96.0	97.3	98.1	98.5	98.8	99.2	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥50	8.2	95.1	96.0	97.3	98.1	98.5	98.8	99.2	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 728

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

42317
STATION

SONDRESTROM GL
STATION NAME

74-87
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 151

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	3.2	45.3	45.4	45.5	45.5	45.5	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 20000	3.3	47.1	47.2	47.3	47.3	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 18000	4.2	59.7	59.8	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 16000	4.2	60.7	60.8	61.0	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 14000	4.3	61.2	61.4	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 12000	4.5	62.8	62.9	63.1	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 10000	4.9	67.2	67.3	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 9000	5.1	68.6	68.8	69.0	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 8000	5.6	75.5	75.7	75.9	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 7000	6.0	82.3	82.6	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 6000	6.2	84.7	85.1	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 5000	6.4	86.1	86.6	86.9	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 4500	6.4	87.3	87.5	87.8	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 4000	6.4	89.5	90.1	90.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 3500	6.5	90.7	91.3	91.8	92.1	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3000	6.6	93.1	94.0	94.6	95.1	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 2500	6.7	94.3	94.9	95.8	96.4	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 2000	6.7	94.2	95.2	96.3	97.4	98.0	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1800	6.7	94.2	95.2	96.3	97.5	98.0	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1500	6.7	94.2	95.3	96.4	97.6	98.2	98.9	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1200	6.7	94.2	95.3	96.4	97.6	98.2	98.9	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	6.7	94.3	95.3	96.5	97.6	98.3	99.0	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	6.7	94.3	95.3	96.5	97.6	98.3	99.0	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	6.7	94.3	95.3	96.5	97.6	98.3	99.0	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	6.7	94.3	95.3	96.5	97.6	98.3	99.0	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	6.7	94.3	95.3	96.5	97.6	98.3	99.0	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	6.7	94.3	95.3	96.5	97.6	98.3	99.0	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	6.7	94.3	95.3	96.5	97.6	98.3	99.0	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	6.7	94.4	95.4	96.5	97.7	98.3	99.0	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	6.7	94.4	95.4	96.5	97.7	98.3	99.0	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	6.7	94.4	95.4	96.5	97.7	98.3	99.0	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	6.7	94.4	95.4	96.5	97.7	98.4	99.0	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

5770

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
42310

STATION NAME
SONDRESTROM GL

YEARS
74-83

MONTH
ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS
ALL

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	3.6	42.0	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 20000	3.8	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.6	45.6
≥ 18000	4.7	57.1	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 16000	4.7	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 14000	4.8	57.6	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 12000	4.8	58.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7
≥ 10000	5.1	62.1	62.1	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 9000	5.2	63.5	63.6	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 8000	5.7	70.6	70.8	70.9	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 7000	6.2	76.9	77.2	77.4	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 6000	6.4	79.2	79.5	79.7	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 5000	6.6	82.7	82.3	82.6	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 4500	6.7	83.3	83.6	83.9	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 4000	7.0	87.1	87.5	87.8	88.7	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 3500	7.1	88.7	89.2	89.6	89.8	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3000	7.2	91.3	92.0	92.5	92.9	93.0	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 2500	7.3	93.0	93.8	94.6	95.1	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2000	7.4	94.3	95.2	96.0	96.8	97.2	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1800	7.4	94.6	95.5	96.3	97.7	97.4	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1500	7.4	95.0	95.9	96.7	97.6	98.0	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9
≥ 1200	7.4	95.1	96.0	96.9	97.7	98.2	98.6	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000	7.5	95.2	96.1	97.0	97.8	98.3	98.8	99.2	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5
≥ 900	7.5	95.2	96.1	97.0	97.9	98.4	98.8	99.2	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5
≥ 800	7.5	95.3	96.2	97.1	98.0	98.5	98.9	99.3	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 700	7.5	95.3	96.2	97.1	98.0	98.5	99.0	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	7.5	95.3	96.2	97.1	98.0	98.5	99.0	99.4	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8
≥ 500	7.5	95.3	96.2	97.1	98.0	98.5	99.0	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	7.5	95.3	96.2	97.1	98.0	98.5	99.0	99.4	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9
≥ 300	7.5	95.3	96.3	97.2	98.0	98.5	99.0	99.4	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9
≥ 200	7.5	95.3	96.3	97.2	98.0	98.6	99.1	99.5	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0
≥ 100	7.5	95.3	96.3	97.2	98.0	98.6	99.1	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	7.5	95.3	96.3	97.2	98.0	98.6	99.1	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 67426

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperatures
 - b. Daily minimum temperatures
 - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) † indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

* Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

042310 SONDRESTROM GL
STATION STATION NAME

43-73

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
75						.1	.1						.0
70						3.3	2.8	1.2					.6
65					2.9	16.6	24.4	11.4	.6				4.7
60					7.5	35.5	59.3	34.6	4.1				11.6
55				.6	19.6	60.5	81.2	59.7	13.2	1.2	.1		20.1
50	.3	.6	.3	2.7	37.2	81.9	93.8	83.8	30.3	4.7	1.0	.1	28.5
45	1.5	3.0	1.9	7.1	57.0	94.8	99.7	97.3	49.0	10.0	3.7	1.3	36.0
40	4.5	8.6	4.6	13.9	72.9	99.0	100.0	100.0	71.2	19.6	8.1	4.4	42.7
35	10.0	13.3	7.6	26.1	86.9	100.0			87.2	31.2	16.1	8.9	49.3
30	16.2	19.0	12.3	37.6	93.9				96.9	48.6	25.7	15.5	55.7
25	21.8	25.3	19.1	51.3	97.4				99.8	66.5	33.6	21.6	61.6
20	27.3	30.3	26.8	63.8	99.0				99.9	82.0	46.2	28.5	67.2
15	33.8	35.5	35.2	75.8	99.7					91.8	60.6	35.5	72.4
10	42.8	42.0	47.5	87.1	99.8					97.1	72.9	47.7	78.1
5	54.3	50.5	57.4	95.4	100.0				100.0	99.0	82.1	59.3	83.2
0	63.7	58.9	68.7	98.0						99.8	88.2	68.6	87.2
-5	74.7	70.1	78.2	98.9						100.0	93.2	77.5	91.1
-10	81.2	79.8	88.1	100.0							96.7	84.5	94.2
-15	86.8	87.5	93.8								98.3	90.5	96.4
-20	91.3	92.6	97.4								99.5	94.1	97.9
-25	94.3	95.4	99.0								100.0	96.7	98.8
-30	97.0	98.0	100.0									97.9	99.4
-35	99.2	99.3										98.7	99.8
-40	99.5	99.8										99.2	99.9
-45	100.0	100.0										99.8	100.0
-50												100.0	100.0
MEAN	7.0	7.4	8.8	24.8	45.6	56.6	59.8	56.3	44.6	29.5	18.2	8.5	33.6
S D	19.7162	20.6891	16.6554	13.1871	10.163	7.344	5.975	6.492	8.489	11.048	15.099	18.482	24.427
TOTAL OBS	930	842	899	880	868	858	930	930	900	898	840	899	10638

2015

SONDRESTROM, GL

STATION NAME

43-73

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
55								.1					.0
50					.1	2.0	1.4	1.1	.3				.4
45	.1			.1	2.1	15.0	23.9	8.9	2.2				4.5
40		.1		.5	9.0	55.1	80.4	45.8	11.9	1.1	.1		17.4
35		1.0	.1	1.5	28.0	87.1	98.9	83.8	33.3	5.3	.8	.4	28.9
33	.5	1.3	.3	2.9	40.4	94.5	99.9	90.2	44.1	7.8	1.5	.7	32.5
30	1.4	2.1	.9	6.8	58.1	98.8	100.0	97.0	61.4	12.7	3.5	1.1	37.5
25	2.9	4.4	2.0	14.2	80.1	100.0		99.8	79.9	24.8	7.0	2.6	43.6
20	5.9	7.5	4.1	25.5	89.4			100.0	91.3	4.5	12.9	5.8	49.1
15	9.0	12.1	7.8	36.5	93.8				98.8	57.8	23.1	10.0	54.4
10	14.0	16.9	13.1	47.3	97.0				99.6	74.1	36.2	17.8	59.9
5	20.6	24.3	21.8	60.5	98.4				99.8	85.2	49.5	27.5	65.8
0	29.5	30.6	31.6	71.8	99.1				99.9	93.1	61.0	36.2	71.2
-5	42.6	39.5	43.3	82.6	99.8				100.0	97.8	73.6	46.8	77.2
-10	54.1	49.4	53.2	90.8	100.0					99.8	84.2	57.6	82.4
-15	64.9	60.5	66.4	96.4						100.0	92.0	70.2	87.5
-20	74.0	71.3	77.2	98.8							96.0	80.1	91.4
-25	82.5	82.9	86.9	99.9							98.3	88.7	94.9
-30	89.1	91.4	93.8	100.0							99.8	94.1	97.2
-35	93.9	95.7	97.9								100.0	97.2	98.7
-40	97.3	98.6	99.8									97.9	99.5
-45	99.2	99.4	100.0									99.2	99.8
-50	100.0	100.0										99.8	100.0
-55												100.0	100.0
MEAN	-8.9	-8.7	-8.1	8.4	29.4	39.9	42.1	38.8	30.8	16.4	3.9	-6.4	14.8
S D	14.97	17.62	15.27	11.82	8.62	4.92	3.26	4.61	7.56	11.01	13.92	16.17	23.22
TOTAL OBS	930	882	898	888	864	858	830	830	800	888	880	888	10613

USAPETAC FORM 0-21.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
42310 SONDESTROM GL
STATION STATION NAME

DAILY TEMPERATURES

43-73

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
60					.1	1.4	1.0	.6	.1				.3
55					1.1	14.3	20.8	6.7	.8				3.7
50				.1	7.7	42.4	68.1	36.6	4.9	.1			13.7
45	.1	.2		.8	22.1	76.0	93.5	73.5	19.9	2.3	.9		24.6
40	.4	.8	.3	3.2	46.2	94.5	100.0	95.8	43.2	6.9	1.3	.4	33.3
35	1.7	3.3	1.6	9.2	68.0	99.4		100.0	69.0	14.8	4.5	2.0	39.9
30	4.2	6.9	3.6	18.9	84.7	100.0			84.8	28.0	9.8	4.3	45.9
25	8.4	11.9	6.2	30.8	92.5				95.6	45.5	18.6	7.7	51.8
20	14.7	16.9	12.2	43.7	95.5				99.4	63.7	28.2	15.6	57.8
15	20.4	23.5	20.1	56.8	98.1				99.8	78.8	41.1	22.5	63.7
10	27.2	30.5	28.4	69.9	99.2				99.9	90.1	56.5	31.5	69.6
5	37.5	37.5	40.6	80.7	99.7					95.8	68.9	42.9	75.4
0	49.8	46.6	50.6	88.8	100.0				100.0	99.0	79.3	53.4	80.7
-5	59.9	54.5	61.6	96.5						99.7	86.9	63.6	85.2
-10	70.8	66.5	72.6	98.2						100.0	92.6	74.6	89.6
-15	78.9	76.7	83.0	99.4							96.8	83.8	93.2
-20	85.4	85.0	90.9	100.0							98.7	90.3	95.8
-25	90.9	92.3	96.2								99.6	93.8	97.7
-30	94.2	96.0	98.7								100.0	97.1	98.8
-35	96.8	98.1	100.0									98.1	99.4
-40	99.4	99.3										98.9	99.8
-45	99.8	100.0										99.4	99.9
-50	100.0											100.0	100.0
MEAN	-1.0	-.7	.4	16.8	37.8	48.4	51.7	47.7	37.8	23.2	11.1	1.0	22.8
S D	17.838	18.789	15.659	13.222	9.016	5.427	3.911	4.751	7.598	10.598	14.087	16.891	23.689
TOTAL OBS	930	842	899	840	868	858	930	930	900	898	840	899	10634

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

042310 STATION SONDRESTROM GL

43-73

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
YEAR													
43	42	36	46	38	61	67	65	64	60	42	50	45	67
44	26	48	46	48	66	69	68	70	60	55	37	35	70
45	48	14	47	41	66	71	68	69	59	55	46	46	71
46	38*	36			*	60	64	63	63	57	58	47	
47	47	50	48	50	63	73	62	59	59	51	51	38	73
48	30	40	35	46	64*	71	71	68	60	47		36	
49	37	35	49	37	63	71	69	64	61	47	40	40	71
50	33	32	48	51	61	70	69	73	50				
51					*	68	66	61	62	54	45	31	
52	39	47	40	55	67	69	70	69	66	53	42	47	70
53	39	47	35	50	67	71	70	66	61	44	39	34	71
54	48	42	36	59	67	71	67	63	59	51	45	34	71
55	44	50	52	45	65	69	64	68	56	51	45	38	69
56	31	46	38	49	57	72	69	65	63	57	43	34	72
57	42	34	26	42	59	71	66	66	60	44	42	39	71
58	29	38	26	48	68	67	73	67	57	50	44	36	70
59	41	37	9	46	66	75	69	64	63	53	43	34	75
60	36	39	42	43	62	71	71	73	68	58	45	41	73
61	44	27	43	47	60	66	70	69	63	45	40	47	70
62	31	45	49	53	65	65	75	66	60	50	50	47	75
63	47	43	42	45	48	71	69	68	58	45	45	46	71
64	54	46	53	53	67	65	67	73	60	46	42	38	73
65	43	50	37	49	67	68	71	68	55	50	53	35	71
66	19	44	34	40	59	68	69	69	61	53	46	35	69
67	41	44	30	40	59	63	64	65	59	38	43	44	66
68	37	44	44	50	68	72	72	72	66	55	44	27	72
69	4	51	40	57	64	67	72	66	55	40	51	44	72
70	40	47	36	53	53	63	68	66	58	52	47	53	68
71	47	30	33	50	60	67	72	64	63	35	48	39	72
72	35	42	37	54	63	57	68	72	63*	48	34	32	72
MEAN													
S. D.													
TOTAL OBS.													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-00-0 (01A)

AT LEAST ONE DAY LESS THAN 24 OBS.

~~0 (AT LEAST ONE DAY LESS THAN 29 OBS)~~

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

042310
STATION

SONDREST POM BL
STATION NAME

43-73
YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
43	-22	-29	-36	-17	9	32	34	30	15	-13	-17	-17	-36
44	-35	-27	-25	-4	6	33	34	24	14	5	-34	-30	-35
45	-28	-37	-29	-15	9	32	35	32	18	3	-17	-22	-37
46	-31*	-28			*	38	32	31	13	2	-6	-27	
47	-24	-8	-13	0	18	34	38	29	18	-2	-7	-23	-24
48	-24	-24	-31	-14	5*	30	34	31	17	-5		-32	
49	-49	-49	-37	-17	-6	33	37	29	12	-7	-21	-21	-49
50	-39	-35	-43	-11	22	27	38	35	23				
51					*	38	37	32	26	-4	-5	-30	
52	-43	-40	-36	-16	23	31	36	29	25	-3	-4	-20	-43
53	-42	-38	-32	-13	16	33	35	29	15	-4	-14	-38	-42
54	-27	-40	-19	-8	21	34	37	32	14	-8	-17	-33	-40
55	-41	-31	-17	-12	11	36	37	28	13	10	-26	-18	-41
56	-35	-34	-25	2	19	27	34	32	15	-5	-28	-31	-35
57	-40	-32	-26	-8	-7	35	38	34	23	-4	-9	-34	-40
58	-35	-24	-20	-16	24	30	40	31	17	-9	-30	-19	-35
59	-22	-34	-47	-24	20	33	39	30	9	-7	-18	-32	-40
60	-43	-30	-38	-16	15	34	38	36	16	13	-10	-25	-43
61	-37	-44	-41	-16	21	33	33	25	8	-5	-28	-27	-44
62	-27	-30	-13	-1	16	32	38	27	15	-11	-10	-22	-30
63	-19	-23	-21	5	17	28	35	32	14	-3	-23	-19	-23
64	-26	-24	-35	-8	16	32	33	31	20	-5	-25	-30	-35
65	-45	-23	-19	-5	25	27	38	25	17	-10	-8	-30	-45
66	-43	-31	-31	-11	11	25	36	29	16	0	-17	-34	-43
67	-30	-27	-34	-12	9	24	36	25	14	-7	-28	-29	-34
68	-41	-32	-39	-7	32	38	40	30	16	6	-14	-21	-41
69	-28	-24	-29	-7	24	33	33	31	-5	-10	-16	-26	-29
70	-35	-23	-28	-7	-4	27	38	29	25	0	-15	-32	-35
71	-28	-33	-28	-26	16	33	34	28	19	-2	-30	-51	-51
72	-45	-37	-34	-25	25	31	37	24	20*	-4	-22	-47	-47
MEAN													
S.D.													
TOTAL OBS.													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-60-0 (OLA)

0 (AT LEAST ONE DAY LESS THAN 24 OBS)

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

SONDRESTROM 61

STATION NAME

43-73

YEARS

WHOLE DEGREES FAHRENHEIT

[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-80-8 (OLA)

6 (AT LEAST ONE DAY LESS THAN 24 OBS)

CLINTON COUNTY, NEW YORK
JAN 10 1964
AT NEW YORK

[illegible]

0-26-5 (OL A) MISSED PREVIOUS EDITIONS OF THIS FORM AND OBSOLETE

USAFETAC

1. *Pharmaceuticals* (1997) 10, 115-120.
 2. *Pharmaceuticals* (1997) 10, 121-126.
 3. *Pharmaceuticals* (1997) 10, 127-132.
 4. *Pharmaceuticals* (1997) 10, 133-138.
 5. *Pharmaceuticals* (1997) 10, 139-144.
 6. *Pharmaceuticals* (1997) 10, 145-150.
 7. *Pharmaceuticals* (1997) 10, 151-156.
 8. *Pharmaceuticals* (1997) 10, 157-162.
 9. *Pharmaceuticals* (1997) 10, 163-168.
 10. *Pharmaceuticals* (1997) 10, 169-174.
 11. *Pharmaceuticals* (1997) 10, 175-180.
 12. *Pharmaceuticals* (1997) 10, 181-186.
 13. *Pharmaceuticals* (1997) 10, 187-192.
 14. *Pharmaceuticals* (1997) 10, 193-198.
 15. *Pharmaceuticals* (1997) 10, 199-204.
 16. *Pharmaceuticals* (1997) 10, 205-210.
 17. *Pharmaceuticals* (1997) 10, 211-216.
 18. *Pharmaceuticals* (1997) 10, 217-222.
 19. *Pharmaceuticals* (1997) 10, 223-228.
 20. *Pharmaceuticals* (1997) 10, 229-234.
 21. *Pharmaceuticals* (1997) 10, 235-240.
 22. *Pharmaceuticals* (1997) 10, 241-246.
 23. *Pharmaceuticals* (1997) 10, 247-252.
 24. *Pharmaceuticals* (1997) 10, 253-258.
 25. *Pharmaceuticals* (1997) 10, 259-264.
 26. *Pharmaceuticals* (1997) 10, 265-270.
 27. *Pharmaceuticals* (1997) 10, 271-276.
 28. *Pharmaceuticals* (1997) 10, 277-282.
 29. *Pharmaceuticals* (1997) 10, 283-288.
 30. *Pharmaceuticals* (1997) 10, 289-294.
 31. *Pharmaceuticals* (1997) 10, 295-300.
 32. *Pharmaceuticals* (1997) 10, 301-306.
 33. *Pharmaceuticals* (1997) 10, 307-312.
 34. *Pharmaceuticals* (1997) 10, 313-318.
 35. *Pharmaceuticals* (1997) 10, 319-324.
 36. *Pharmaceuticals* (1997) 10, 325-330.
 37. *Pharmaceuticals* (1997) 10, 331-336.
 38. *Pharmaceuticals* (1997) 10, 337-342.
 39. *Pharmaceuticals* (1997) 10, 343-348.
 40. *Pharmaceuticals* (1997) 10, 349-354.
 41. *Pharmaceuticals* (1997) 10, 355-360.
 42. *Pharmaceuticals* (1997) 10, 361-366.
 43. *Pharmaceuticals* (1997) 10, 367-372.
 44. *Pharmaceuticals* (1997) 10, 373-378.
 45. *Pharmaceuticals* (1997) 10, 379-384.
 46. *Pharmaceuticals* (1997) 10, 385-390.
 47. *Pharmaceuticals* (1997) 10, 391-396.
 48. *Pharmaceuticals* (1997) 10, 397-402.
 49. *Pharmaceuticals* (1997) 10, 403-408.
 50. *Pharmaceuticals* (1997) 10, 409-414.
 51. *Pharmaceuticals* (1997) 10, 415-420.
 52. *Pharmaceuticals* (1997) 10, 421-426.
 53. *Pharmaceuticals* (1997) 10, 427-432.
 54. *Pharmaceuticals* (1997) 10, 433-438.
 55. *Pharmaceuticals* (1997) 10, 439-444.
 56. *Pharmaceuticals* (1997) 10, 445-450.
 57. *Pharmaceuticals* (1997) 10, 451-456.
 58. *Pharmaceuticals* (1997) 10, 457-462.
 59. *Pharmaceuticals* (1997) 10, 463-468.
 60. *Pharmaceuticals* (1997) 10, 469-474.
 61. *Pharmaceuticals* (1997) 10, 475-480.
 62. *Pharmaceuticals* (1997) 10, 481-486.
 63. *Pharmaceuticals* (1997) 10, 487-492.
 64. *Pharmaceuticals* (1997) 10, 493-498.
 65. *Pharmaceuticals* (1997) 10, 499-504.
 66. *Pharmaceuticals* (1997) 10, 505-510.
 67. *Pharmaceuticals* (1997) 10, 511-516.
 68. *Pharmaceuticals* (1997) 10, 517-522.
 69. *Pharmaceuticals* (1997) 10, 523-528.
 70. *Pharmaceuticals* (1997) 10, 529-534.
 71. *Pharmaceuticals* (1997) 10, 535-540.
 72. *Pharmaceuticals* (1997) 10, 541-546.
 73. *Pharmaceuticals* (1997) 10, 547-552.
 74. *Pharmaceuticals* (1997) 10, 553-558.
 75. *Pharmaceuticals* (1997) 10, 559-564.
 76. *Pharmaceuticals* (1997) 10, 565-570.
 77. *Pharmaceuticals* (1997) 10, 571-576.
 78. *Pharmaceuticals* (1997) 10, 577-582.
 79. *Pharmaceuticals* (1997) 10, 583-588.
 80. *Pharmaceuticals* (1997) 10, 589-594.
 81. *Pharmaceuticals* (1997) 10, 595-600.
 82. *Pharmaceuticals* (1997) 10, 601-606.
 83. *Pharmaceuticals* (1997) 10, 607-612.
 84. *Pharmaceuticals* (1997) 10, 613-618.
 85. *Pharmaceuticals* (1997) 10, 619-624.
 86. *Pharmaceuticals* (1997) 10, 625-630.
 87. *Pharmaceuticals* (1997) 10, 631-636.
 88. *Pharmaceuticals* (1997) 10, 637-642.
 89. *Pharmaceuticals* (1997) 10, 643-648.
 90. *Pharmaceuticals* (1997) 10, 649-654.
 91. *Pharmaceuticals* (1997) 10, 655-660.
 92. *Pharmaceuticals* (1997) 10, 661-666.
 93. *Pharmaceuticals* (1997) 10, 667-672.
 94. *Pharmaceuticals* (1997) 10, 673-678.
 95. *Pharmaceuticals* (1997) 10, 679-684.
 96. *Pharmaceuticals* (1997) 10, 685-690.
 97. *Pharmaceuticals* (1997) 10, 691-696.
 98. *Pharmaceuticals* (1997) 10, 697-702.
 99. *Pharmaceuticals* (1997) 10, 703-708.
 100. *Pharmaceuticals* (1997) 10, 709-714.
 101. *Pharmaceuticals* (1997) 10, 715-720.
 102. *Pharmaceuticals* (1997) 10, 721-726.
 103. *Pharmaceuticals* (1997) 10, 727-732.
 104. *Pharmaceuticals* (1997) 10, 733-738.
 105. *Pharmaceuticals* (1997) 10, 739-744.
 106. *Pharmaceuticals* (1997) 10, 745-750.
 107. *Pharmaceuticals* (1997) 10, 751-756.
 108. *Pharmaceuticals* (1997) 10, 757-762.
 109. *Pharmaceuticals* (1997) 10, 763-768.
 110. *Pharmaceuticals* (1997) 10, 769-774.
 111. *Pharmaceuticals* (1997

~~JAN~~
MONTH

HOURS (L. S. T.)

[illegible]

USAFETA

PSYCHROMETRIC SUMMARY

RECEIVED
JAN 10 1964
U.S. DEPARTMENT OF AGRICULTURE

STATION NAME

YEARS

JAN
MONTH

540

1950-1951
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

HOURS (L. S. T.)

USAFETAC
FORM 0-26-5 (OL A)
REVISED FOR YOUR STATIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION _____ STATION NAME _____ YEARS _____ JAN _____ MONTH _____
 PAGE 0006-11.0 HOURS (L.S.T.) _____

[illegible]

PSYCHROMETRIC SUMMARY

04271 SONDRESTROM GL
STATION STATION NAME

75-83

YEARS

JAP
MONTH

PAGE 2 0900-1100
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
1/-21	2.5																	13	16	13	11												
2/-23	2.5																	13	16	13	17												
3/-25	1.6																	8	10	8	11												
4/-27	1.6																	5	14	5	9												
5/-29	3.1																	16	18	16	6												
6/-31	4.1																	21	24	21	12												
7/-33	2.1																	11	12	11	17												
8/-35	1.6																	8	12	8	21												
9/-37	1.6																	8	12	8	18												
10/-39	.6																	3	4	3	10												
11/-41	.6																	3	4	3	13												
12/-43	1.0																	5	5	5	5												
13/-45																					5												
14/-47	.4																	2	2	2	8												
15/-51																					2												
TOTAL	67.8	17.2	2.5	4.3	1.2	.2												512		727		512											

Element (X)	ΣX^1	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2957774	37882	75.47413		512	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	285642	-970	-1.319797		727	51.1	88.7					93
Wet Bulb	196369	-1458	-2.819495		512	53.9	90.1					93
Dew Point	225288	-8578	-8.919125		512	60.8	92.8					93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

042310 SONDRESTROM GL

75-83

JAN
MONTH

STATION

STATION NAME

YEARS

PAGE 1

1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B./W.B.	TOTAL																
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point																															
41/45																																1	1																		
40/43				.4	.4																											4	5																		
39/41			.2	.6	.6																											7	8																		
38/39		.2		.2																												2	2	1																	
37/37			.6	1.0																												8	10	5																	
36/35			.2	.6																												4	4	4																	
34/33		.6	.8	.6																												10	13	10	2																
32/31		.2	.2	.2																												3	5	9	1																
30/29			.4	.2																												3	5	7	1																
28/27		.6	2.0	.8																												22	28	4	8																
26/25		.6	1.0																													8	8	7	7																
24/23		1.0	1.2																													11	15	19	8																
22/21	.4	1.2	.8																													12	21	13	9																
20/19		1.0	.4																													7	12	12	2																
18/17	.6	.4	1.4																													12	16	12	11																
16/15	.4	2.0																														12	19	15	7																
14/13		1.4	.2																													8	16	11	16																
12/11	.4	1.0																														7	9	11	15																
10/9	.8	2.0																														19	30	13	19																
8/7	1.0	1.8																														14	26	16	13																
6/5	1.8	1.8																														18	36	14	20																
4/3	2.7	.2																														15	23	23	26																
2/2	2.0	.4																														17	31	16	17																
0/-1	1.3	.6																														30	39	32	23																
-2/-3	2.7																															14	29	14	26																
-4/-5	4.7	1.8																														33	40	30	26																
-6/-7	4.9																															25	32	28	20																
-8/-9	2.0																															15	22	15	16																
-10/-11	3.3																															17	23	17	9																
-12/-13	1.3																															9	10	9	15																
-14/-15	2.0																															10	13	10	17																
-16/-17	1.6																															8	9	8	6																
-18/-19	2.9																															15	21	15	11																
-20/-21	2.0																															10	17	10	11																
Element (K)	Σ g ¹					Σ g					Σ					Σ _n					No. Obs.					Mean No. of Hours with Temperature																									
Rel. Hum.																										≤ 0 F					≤ 32 F			≤ 67 F			≤ 73 F			≤ 80 F			≤ 93 F			Total					
Dry Bulb																																																			
Wet Bulb																																																			
Dew Point																																																			

FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

PSYCHROMETRIC SUMMARY

12312	SONDRESTROM GL	75-83	JAN
STATION	STATION NAME	YEARS	MONTH

PAGE 2 ~~1200-1400~~

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point					
-22/-23	3.1																	16	17	16	16				
-21/-25	2.8																	17	15	17	16				
-26/-27	.8																	4	8	4	15				
-28/-29	2.7																	14	15	14	8				
-31/-31	2.7																	14	15	14	8				
-32/-33	1.4																	7	8	7	14				
-34/-35	2.0																	10	11	10	14				
-36/-37	1.2																	9	12	9	11				
-38/-39	1.8																	9	11	9	10				
-40/-41	.6																	3	4	3	20				
-42/-43	.2																	1	1	1	11				
-44/-45																					1				
-46/-47	.2																	1	1	1	1				
-48/-49	.4																	2	2	2					
-51/-51																					2				
-52/-53																					1				
TOTAL	64.7	10.4	10.2	4.5	1.2													510	717	510	510				

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04217 SONDRESTROM GL
STATION STATION NAME

75-83
YEARS

JAN
MONTH

PAGE 1 1870-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																	
5 / 45																																	2	2			
44 / 45																																	1	1			
44 / 43																																	2	3			
42 / 41			.2		.2	.5																										5	6	2			
41 / 39				.4	.8	.4																										9	9	1			
39 / 37				.4	1.6																											10	12		1		
37 / 35		.4	.5	.8	.5																											10	12	6			
35 / 33	.2		.4																													3	3	14	1		
33 / 31		.2			.5																											2	5	15	1		
31 / 29				.2	.6																											4	5	5	5		
29 / 27		1.0	1.4	.6																												15	17	1	4		
27 / 25		.4	.3																													6	8	9	5		
25 / 23		1.2	1.0																													11	18	11	12		
23 / 21		2.0	.4																													12	17	11	8		
21 / 19	.7	1.4	1.0																													13	15	16	6		
19 / 17	.2	1.0	.6																													9	11	10	7		
17 / 15	.4	1.2	.5																													11	18	16	9		
15 / 13		.6	.2																													4	11	8	10		
13 / 11	.4	1.8	.2																													12	18	14	11		
11 / 9	1.6	2.4																														21	30	19	30		
9 / 7	.7	1.2	.2																													8	14	6	10		
7 / 5	2.4	2.4																														24	39	19	19		
5 / 3	1.6	1.4																														15	22	18	22		
3 / 1	2.2	.4																														13	23	18	14		
1 / -1	1.5	.2																														28	49	29	23		
-1 / -3	2.0	1.2																														16	23	17	19		
-3 / -5	4.3	2.0																														31	53	30	28		
-5 / -7	3.7																															18	38	19	10		
-7 / -9	1.4																															7	14	7	21		
-9 / -11	2.6																															13	20	13	11		
-11 / -13	2.2																															11	20	11	8		
-13 / -15	1.6																															8	14	8	7		
-15 / -17	2.9																															14	16	14	14		
-17 / -19	3.1																															15	26	15	11		
Element (X)	Σ X'					Σ X					Σ					C _n					No. Obs.					Mean No. of Hours with Temperature											
Rel. Hum.																										≤ 0 F	≤ 22 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

PSYCHROMETRIC SUMMARY

002710	SONDRESTROM GL
STATION	STATION NAME

75-83

YEARS

JAN
MONTH

PAGE 2

1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
10/-21	1.4																	7	11	7	20												
2/-23	2.6																	13	19	13	16												
24/-25	1.4																	7	11	7	14												
26/-27	2.1																	10	16	10	13												
28/-29	3.7																	18	19	18	8												
1/-31	1.8																	9	17	9	5												
12/-33	2.																	10	11	10	13												
34/-35	3.1																	15	18	15	8												
15/-37	2.																	11	12	11	21												
28/-39	.8																	4	4	4	16												
41/-41	.6																	3	5	3	19												
42/-43	.2																	1	1	1	6												
44/-45																					2												
46/-47	.2																	1	1	1	1												
47/-49	.2																	1	1	1													
1/-51																					1												
52/-53																					1												
TOTAL	61.123	0	5.8	4.0	1.4	.8												491		491	491												

Element (X)	Σ X'	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	26956.88	35326	71.917	.731	491	≤ 10 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	295113	-715	-1.020	.069	732	52.3	86.6					93
Wet Bulb	202667	-991	-2.020	.237	491	51.5	88.6					93
Dew Point	225358	-8238	-8.619	.658	491	59.9	92.6					93

PSYCHROMETRIC SUMMARY

STATION SONDRESTROM GL STATION NAME

75-83

YEARS

JAN

MONTH

PAGE 7 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
2/-23	2.1																	10	14	10	19											
24/-25	2.6																	12	18	12	6											
26/-27	2.6																	13	17	13	15											
28/-29	2.4																	11	13	11	9											
30/-31	2.4																	11	16	11	7											
32/-33	2.4																	11	18	11	10											
34/-35	1.7																	8	17	8	12											
36/-37	1.9																	9	15	9	13											
38/-39	1.1																	5	5	5	20											
40/-41																					11											
42/-43																					5											
44/-45	.2																	1	1	1												
46/-49	.2																	1	1	1	1											
48/-51																					1											
TOTAL	37.1	22.2	21.3	6.2					.2										468	716	468	468										

AD-A146 919

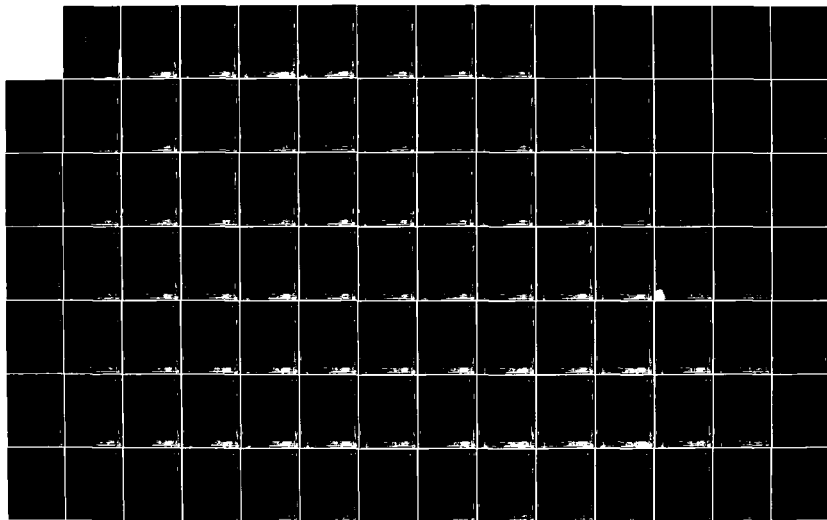
SONDRESTROM AB GREENLAND REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSER. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. JUL 84
USAFETAC/DS 84/021 SBI AD-E850 745

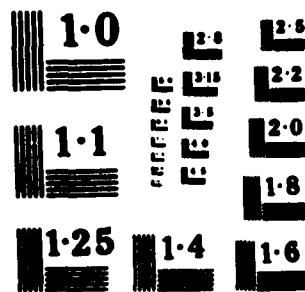
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: SONDRESTROM GL STATION NAME: YEARS: JAN MONTH: 75-83

PAGE 7 ALL HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point															
1/-15	2.4																	94	141	94	85														
1/-21	1.4																	71	111	71	93														
2/-23	2.6																	101	128	101	129														
24/-25	2.3																	88	119	88	65														
1/-27	1.8																	69	107	69	99														
10/-29	2.5																	98	121	98	77														
1/-31	2.8																	108	128	108	65														
12/-33	2.5																	26	106	26	84														
34/-35	2.1																	13	101	13	108														
21/-37	1.8																	72	88	72	148														
74/-39	1.																	39	45	39	103														
1/-41	.6																	22	33	22	128														
7/-43	.4																	15	19	15	64														
4/-45	.1																	5	5	5	22														
41/-47	.7																	6	6	6	13														
62/-49	.2																	6	8	6	4														
1/-51																					17														
12/-53																																			
TOTAL	63.6	21.1	9.7	5.1	1.6	.3												3897	5745	3897	3897														

Element (X)	ΣH^1	ΣH	Σ	Σ_a	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	21955713	2844489	71.047	601	3897	10 F	12 F	16 F	17 F	18 F	19 F	20 F
Dry Bulb	2219615	-4749	-2.819	647	5745	401.6	703.5					
Wet Bulb	1550486	-8438	-2.219	431	3897	411.9	718.6					
Dew Point	1781927	-33210	-8.519	368	3897	478.4	742.3					

Element (X)	ΣH^+	ΣH^-	Σ	Σ_n	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	21955713	288889	71.087.601	3897	10 F	132 F	167 F	173 F	180 F	193 F		788
Dry Bulb	2219615	-8749	-8659.697	5785	801.6	703.3						788
Wet Bulb	1550486	-8438	-2.219.831	3897	411.4	718.6						788
Dew Point	1783920	-33210	-8.509.368	3897	878.8	782.3						788

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MOORE & L. S. T.

USAFETAC
R00M 0-26-5 (OLA)
REV 84 SERVICE MEMBERS OF THE ARMY AND NAVY

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 152711 SONDRESTROM GL STATION NAME

75-83

YEARS

FEB MONTH

PAGE 2 3000-0200
MOON 11. 2. 1. 1.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	Dry Bulb	Wet Bulb	Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
3/-29	2.6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

Element (X)	E _g ¹	E _g	I	%	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2866105	31895	78.018.998		391	+ 0 F	+ 22 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Dry Bulb	198508	-22.2	-3.517.312		638	88.8	82.8					88
Wet Bulb	119028	-1220	-3.117.187		391	88.5	83.8					88
Dew Point	131619	-1201	-8.281.882		391	56.3	83.8					88

USAFETAC FORM 0-26-5 (OL A) REPRODUCED BY PERMISSION OF THE JOINT AIR OBSERVATION

PSYCHROMETRIC SUMMARY

YEARS

FEB
1961

PAGE 1

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 102210 SONDRESTROM GL STATION NAME

75-83

YEARS

FFB MONTH

PAGE 0 0300-0500 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
1/-29	1.8																																	11	7	10
1/-31	2.0																																11	11	10	
1/-33	2.1																																8	11	8	10
1/-35	2.1																																8	10	8	7
1/-37	1.8																																4	6	8	14
1/-39	1.8																																1	8	11	5
1/-41																																				3
1/-43																																				1
TOTAL	1.8	19.5	7.7	2.1																													390	629	390	

Element (F)	ΣH	Σg	Σ	ϕ_a	No. Obs.	Mean No. of Hours with Temperature						Total
Rel Hum.	2472793	30865	78.115	863	39	+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Dry Bulb	231283	-2157	-3.317	6.1	627	50.7	83.1					88
Wet Bulb	123037	-1267	-3.207	885	39	50.7	83.6					88
Dew Point	135018	-3280	-8.314	663	39	86.2	88.2					88

Element (F)	Σ	Σ	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total
Rel Hum.	2472793	1.865	78.125	865	390	+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Dry Bulb	211283	-2157	-3.307	6.1	629	50.7	83.1					88
Wet Bulb	123037	-1267	-3.207	985	390	50.7	83.6					88
Dew Point	135018	-1268	-8.316	66.1	390	86.7	88.1					88

USAFETAC FORM 0-26-5 (O. A.) REPRODUCED BY ORDER OF THE HEADQUARTERS

PSYCHROMETRIC SUMMARY

75-83

FEB

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STATION NAME

YEARS

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PAGE 1

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PSYCHROMETRIC SUMMARY

JOHN ESTON GL

STATION NAME

YEARS

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PAGE 2 004-575-

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PSYCHROMETRIC SUMMARY

75-83

FREE
MONTH

PAGE 2 2926-1100

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31	Dry Bulb	Wet Bulb	Dew Point	
1/-71	1.8																																	8	9	8	1
2/-32	1.7																																7	6	3	15	
3/-35	1.6																																8	9	8	6	
10/-37	1.2																																4	7	4	8	
7/-79	.5																																2	4	2	5	
1/-41																																				2	
12/-43																																				1	
TOTAL	73	3	16	1	7	2	1	2																										435	637	435	

Element (X)	Σ R'	Σ R	Σ	C _s	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	2831975	36883	79.315	.62	435							
Dry Bulb	196172	-1842	-2.917	.322	437	5.5	82.8					
Wet Bulb	139757	-1737	-4.007	.162	435	52.5	83.8					
Dew Point	149708	-3822	-8.816	.358	435	57.7	88.5					

USAFETAC
PO Box
0-26-5 (OL A)
DEFENSE RESEARCH AGENCIES OF THE ARMY AND NAVY

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 1 1200-1400

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USAFETAC
FORM
AA-44
0-26.5 (OLA)
DERIVED FROM THE FORMS OF THIS ISSUE ARE OBSOLETE

PSYCHROMETRIC SUMMARY

PSYCHROMETRIC SUMMARY

STATION **SONDRESTROM GL** STATION NAME

75-83

YEARS

FEB
MONTH

PAGE 7 15-0-17-C
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
1/-29	1.4																																	6	9	6	11
1/-31	2.1																																	2	16	9	7
2/-33	.7																																	3	5	3	12
3/-35	.5																																	2	21	21	5
7/-37	.5																																	2	2	2	8
12/-39																																					1
TOTAL	69.222.9	6.8	1.1																															442	641	442	442

Element (X)	$\Sigma H'$	ΣH	Σ	Σ_s	No. Obs.	Mean No. of Hours with Temperature						Total
						$\geq 60^\circ F$	$\geq 70^\circ F$	$\geq 80^\circ F$	$\geq 90^\circ F$	$\geq 100^\circ F$	$\geq 110^\circ F$	
Rel. Hum.	2421731	34715	78.518.618		442							
Dry Bulb	171715	-799	-1.276.828		441	46.7	82.4					88
Wet Bulb	115247	-457	-1.916.103		442	47.9	83.7					88
Dew Point	12737	-3053	-6.915.526		442	56.3	88.7					88

PSYCHROMETRIC SUMMARY

YEARS

FEB

PAGE 1 1800-2000
HOURS (L. S. T.)

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION SONDRESTROM GL
STATION NAME

75-83

YEARS

FEB
MONTH

PAGE 2 1800-2000
HOURS (L. S. Y.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point															
1/-31	2.0																		8	12	8	12													
2/-33	1.8																		7	11	7	8													
34/-35	.3																		1	4	1	10													
36/-37	1.3																		5	5	5	6													
38/-39																						5													
TOTAL	70.6	21.4	5.3	2.8																348	626	398													

Element (X)	ΣX^2	ΣX	Σ	Σ^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2536060	11292	78.6	13.216	398	$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$	
Dry Bulb	182661	-1399	-2.2	16.989	626	88.3	81.6					88
Wet Bulb	108379	-915	-2.3	6.361	398	86.7	83.8					88
Dew Point	117725	-2849	-7.2	15.658	398	55.9	88.3					88

USAFETAC FORM 0-26-5 (OL A) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

FEB

YEARS

7170-2300

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

STATION NAME

75-83

YEARS

Feb
MONTH

PAGE 2 21CG-2340
MAY 1954

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
1/-29	1.3																																7	11	7	7
1/-21	3.6																																14	21	14	8
1/-13	1.																																4	17	4	11
1/-5	1.																																4	4	4	11
1/-17	1.																																4	6	4	1
1/-39																																				4
TOTAL	63.8	21.1	6.3	3.6																													384	35	384	744

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 4

ALL
HOURS (1 - 7)

USAFETAC

PSYCHROMETRIC SUMMARY

75-83

FREE
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
1/-27	2.5																																	85	117	85	117
1/-29	1.7																																	57	83	57	80
1/-31	2.1																																	69	97	69	68
1/-33	1.1																																	43	69	43	27
34/-35	1.2																																	39	57	39	68
26/-37	1.2																																	38	54	38	70
1/-39	.2																																	5	15	5	35
1/-41	.1																																	1	1	1	11
1/-43																																					5
TOTAL	72.9	10.7	7.4	1.2																														3271	574		3271

PSYCHROMETRIC SUMMARY

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MAG

SP47 201

STATION NAME

YEARS

MONTH

PAGE 1 2070-0200

[illegible]

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2

YEA

5-21

MAR
1971

PAGE 2 0000-0203

0-20-S (OL A) STUNTO AIRCRAFT PORTANT OF NEW FORM AND CAPABILITY

USAFETAC

PSYCHROMETRIC SUMMARY

75-83

H A D

59A7:300

STATION NAME

YEARS

ABOUT ME

PAGE :

0300-0500
HOURS 11. S. T.

[illegible]

PSYCHROMETRIC SUMMARY

11271 SONORESTROM BL
STAT-ON STATION NAME

75-83

YEAR

MAE
MONIN

PAGE 7 ~~3300-05-C~~
MAY 1968

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
26/-25	.7																	3	18	3	1														
26/-27	.7																	3	5	3	3														
26/-29	.5																	2	8	2	6														
27/-31	1.2																	5	6	5	1														
27/-33	.7																	3	3	3	5														
28/-35	.5																	2	2	2	5														
28/-37	.2																	1	2	1	4														
28/-39																					1														
TOTAL	77.6	13.2	7.0	2.0	.2													402	467	402	4.2														

Element (X)	Σ H'	Σ H	H	C _s	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2762127	33.37	82.2	10.837	402	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	169909	-813	-1.2	16.10	460	59.1	90.0					93
Wet Bulb	103530	-118	-.3	16.65	402	50.9	92.3					93
Dew Point	102398	-1682	-4.2	15.820	402	52.7	92.8					93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION CONDEPESTROM GL STATION NAME

75-82

YEARS

MAP MONTH

PAGE 1

0600-1800 HOURS (L. S. T.)

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B. Dry Bulb	Wet Bulb	Dew Point	
/-1	5.1																																1	41	71	31
/-2	3.6																																12	26	12	15
/-3	2.1																																14	16	14	14
/-4	1.2																																5	10	5	10
/-5	.7																																6	14	6	6
/-6	.2																																2	6	3	2
/-7	.7																																5	6	5	8
/-8	.2																																2	2	2	2
/-9	.7																																2	2	2	4
/-10	.2																																2	2	2	6
/-11	.7																																2	2	2	1
TAL	74.5	15.1	5.4	9.1	1.0																												404	671	404	

Element (X)	Z _g	Z _h	X	°s	No. Obs.	Mean No. of Hours with Temperature						Total
Rel Hum.	275538	13.24	81.7	11.779	4.4	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	
Dry Bulb	188747	-1.25	-1.5	86.15	671	56.5	89.8					93
Wet Bulb	114914	-322	-3.16	86.6	4.4	54.5	91.4					93
Dew Point	109817	-1915	-8.7	15.911	474	64.5	92.5					93

USAFETAC FORM 0265 (OLA) 02-65 IMPROVED EDITION OF FORM 0265-65 (02-65-12)

PSYCHROMETRIC SUMMARY

75-87

MAP
MORIN

PAGE 1 0900-1100
HOURS 11-1-11

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.		TOTAL Wet Bulb Dew Point		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Dry Bulb	Wet Bulb	Dew Point	
/ 5																																		1	1	
/ 4																																		2	2	
/ 47																																		3	3	
/ 4																																		4	4	
/ 47																																		5	5	
/ 47																																		6	6	
/ 47																																		7	7	
/ 47																																		8	8	
/ 47																																		9	9	
/ 47																																		10	10	
/ 47																																		11	11	
/ 47																																		12	12	
/ 47																																		13	13	
/ 47																																		14	14	
/ 47																																		15	15	
/ 47																																		16	16	
/ 47																																		17	17	
/ 47																																		18	18	
/ 47																																		19	19	
/ 47																																		20	20	
/ 47																																		21	21	
/ 47																																		22	22	
/ 47																																		23	23	
/ 47																																				

PSYCHROMETRIC SUMMARY

1271 CONDRESTROM GL

75-93

MAS

PAGE 2 2900-1100
HOURS 11-1-1

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
7/-17	2.3																																	16	27	16	21
7/-19	5.1																																	25	34	25	31
7/-21	1.6																																	8	14	8	17
7/-23	2.5																																	12	21	12	15
7/-25	1.0																																	9	11	9	11
7/-27	.6																																	3	6	3	7
7/-29	1.6																																	6	8	6	7
7/-31	.8																																	4	4	4	4
7/-33	.2																																	1	1	1	1
7/-35																																					5
7/-37																																					1
TOTAL	71.1	19.1	6.0	2.7	.8	.2																												487		487	685
																																					487

PSYCHROMETRIC SUMMARY

YF 423

MAP
MONITOR

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

MAR
MONTH

PAGE 2 1200-164
HOURS (L. S. T.)

WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
Temp (F)	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
1/-17	2.0																																13	15	13	2
3/-15	2.5																																13	15	13	2
7/-11	1.5																																8	10	8	1
22/-23	.5																																4	6	4	3
26/-25	.5																																3	3	3	6
26/-27	.4																																2	2	2	5
28/-9	.4																																2	2	2	3
28/-31																																				4
27/-33																																				1
31/-37																																				1
TOTAL	51.0	26.9	6.9	3.9	1.2	.7																											513	691		513

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

42711 SONDRESTROM GL

75-83

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1526-1720

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B./W.B.	TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Dry Bulb	Wet Bulb	Dew Point		
6 / 46																																	1	1			
4 / 47																																	2	2			
4 / 45																																	2	2			
4 / 43																																	1	1	1		
7 / 41																																	6	8	2		
7 / 39																																	6	8	4		
7 / 37																																	4	5	1		
7 / 35																																	4	4	3		
7 / 33																																	6	6	8	5	
7 / 31																																	8	13	10	1	
7 / 29																																	10	11	12	1	
7 / 27																																	24	26	9	7	
7 / 25																																	7	9	23	6	
7 / 23																																	19	29	7	13	
7 / 21																																	9	9	21	23	
7 / 19																																	13	13	14	12	
7 / 17																																	14	16	11	8	
7 / 15																																	19	23	24	11	
7 / 13																																	16	26	21	25	
7 / 11																																	20	23	23	13	
7 / 9																																	21	41	25	36	
7 / 7																																	12	15	11	20	
7 / 5																																	35	43	33	29	
7 / 3																																	27	41	28	20	
7 / 1																																	15	23	19	21	
7 / -1																																	44	61	46	43	
7 / -3																																	26	35	26	22	
4 / -5																																	25	32	25	26	
6 / -7																																	23	39	23	32	
8 / -9																																	22	33	22	30	
7 / -11																																	13	19	13	16	
17 / -13																																	20	30	20	20	
14 / -15																																	11	27	11	24	
16 / -17																																	13	19	11	20	
Element (X)	Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ			
Rel. Hum.																																					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

FORM 4-64 0-26-5 (OL A) REVIS 10/64

USAFETAC

PSYCHROMETRIC SUMMARY

MAE
MOMIN

PAGE 2 150-1740
NOV 28 1961

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.S./W.B.	Dry Bulb	Wet Bulb	Dew Point	
5/-19	1.7																																	9	12	9	18
1/-21	4																																	2	2	2	9
2/-23	7																																	4	4	4	5
24/-25	12																																	1	1	1	1
1/-27																																					6
21/-29	16																																	1	1	1	3
31/-37																																					1
TOTAL	50	29	1	7	5	4	2	1	2																									519	689	519	519

PSYCHROMETRIC SUMMARY

MAR
MONTH

PAGE : 1800-2000
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31	Dry Bulb	Wet Bulb	Dew Point
40/ 47																																		1	1	
40/ 45																																		2	2	
40/ 41					.5																												3	3		
40/ 35				.5																													4	4		
40/ 33					.5																												5	5		
40/ 31						.5																											6	6		
40/ 27							.5																										7	7		
40/ 25								.5																									8	8		
40/ 23									.5																								9	9		
40/ 21										.5																							10	10		
40/ 19											.5																						11	11		
40/ 17												.5																					12	12		
40/ 15													.5																				13	13		
40/ 13														.5																			14	14		
40/ 11															.5																		15	15		
40/ 9																.5																	16	16		
40/ 7																	.5																17	17		
40/ 5																		.5															18	18		
40/ 3																			.5														19	19		
40/ 1																				.5													20	20		
40/ -1																					.5												21	21		
40/ -3																						.5											22	22		
40/ -5																							.5										23	23		
40/ -7																																				

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 10210 SONDRESTROM GL
STATION NAME

75-87

YEARS

MAR
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
27-28	1.2																																	5	5	5	6
24-25	1.7																																	3	4	3	7
21-22	1.2																																	1	3	1	2
18-19	1.2																																	1	1	1	6
15-16																																					1
12-13																																					2
TOTAL	62.5	27.4	6.5	2.3	1.2																													471	667	431	

Element (X)	Σ ₁	Σ ₂	Σ ₃	Σ ₄	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	2620493	33713	73.310	118	431	10 F	12 F	17 F	23 F	30 F	93
Dry Bulb	1502291	2.43	3.009	719	667	45	89.5				93
Wet Bulb	94291	1783	4.114	217	431	39.5	97.8				93
Dew Point	80632	-286	-0.713	678	431	50.1	92.8				93

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USAFETYAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 221 SONNHEISTROM GL STATION NAME 75-87 YEARS MAR MONTH

PAGE 2 2100-2300 HOURS (L. S. Y.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
1/-21	1.0																																8	14	8	10
2/-23	1.0																																4	11	4	9
3/-25	1.0																																4	5	4	7
4/-27	.5																																2	2	2	6
5/-29	.5																																2	2	2	2
6/-31	.7																																3	3	3	3
7/-33	.5																																2	2	2	5
8/-35																																				3
TOTAL	66.5	22.4	8.4	1.2	1.2																												816	685	816	416

Element (Z)	Z ₁	Z ₂	Z ₃	Z ₄	No. Obs.	Moon No. of Hours with Temperature						Total
Rel. Hum.	2709366	33258	79.911	.67	816	+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Dry Bulb	158391	953	1.415	.153	816	88.6	90.1					93
Wet Bulb	98560	896	2.215	.259	816	85.8	90.8					93
Dew Point	88833	-933	-2.218	.858	816	55.0	42.8					93

FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 75-83 SONURESTROM GL

75-83

MAP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL									
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point						
17/ 51																																	7	9								
17/ 49																																	12	13								
17/ 47																																	19	25								
17/ 45																																	6	7								
17/ 43																																	16	21	13							
17/ 41																																	21	30	21							
17/ 39																																	20	22	6	1						
17/ 37																																	26	32	14	5						
17/ 35																																	48	53	31	17						
17/ 33																																	61	67	39	21						
17/ 31																																	43	48	64	15						
17/ 29																																	97	106	87	31						
17/ 27																																	76	90	86	27						
17/ 25																																	106	141	83	77						
17/ 23																																	74	88	95	17						
17/ 21																																	71	87	100	111						
17/ 19																																	79	128	88	57						
17/ 17																																	96	139	119	73						
17/ 15																																	101	161	112	96						
17/ 13																																	109	162	117	100						
17/ 11																																	191	284	151	189						
17/ 9																																	114	164	122	128						
17/ 7																																	161	268	185	147						
17/ 5																																	128	216	176	128						
17/ 3																																	138	204	157	139						
17/ 1																																	245	323	251	261						
17/ -1																																	152	243	154	139						
17/ -3																																	159	277	159	195						
17/ -5																																	158	246	158	156						
17/ -7																																	145	251	145	174						
17/ -9																																	138	221	138	136						
17/ -11																																	141	237	141	143						
17/ -13																																	128	223	128	148						
17/ -15																																										
Element (X)	Σ X			Σ X			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ					
Rel. Hum.																																										
Dry Bulb																																										
Wet Bulb																																										
Dew Point																																										
																																			Mean No. of Hours with Temperature							
																																			≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total	

FORM 10-64 0-26-5 (OL A) REVISED SEPTEMBER 1964 USE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 75-83 STATION NAME YEARS MONTH

PAGE 111 HOURS (L, S, T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (P)																															TOTAL D.B./W.B.	TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31	Dry Bulb	Wet Bulb	Dew Point	
17/-17	3.																																	17	162	17	142
27/-19	3.6																																	129	214	129	189
7/-1	2.1																																	74	122	74	173
27/-23	1.7																																	63	89	63	93
27/-25	.9																																	31	67	31	67
27/-27	.6																																	21	37	21	42
27/-29	.6																																	11	31	21	47
27/-31	.6																																	23	25	23	28
27/-33	.3																																	10	17	10	27
34/-35	.1																																	5	5	5	21
35/-37	.1																																	3	4	3	16
37/-39																																					2
TOTAL	67.8	21.4	6.9	2.8	1.	.1																												3570	5422		3570

Element (X)	Σ ₁	Σ ₂	Σ ₃	Σ ₄	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	22268612	283388	79.4	1.522	3570	10 F	132 F	47 F	73 F	80 F	93 F	
Dry Bulb	1394169	861	1.605	.758	5422	391.1	718.6					788
Wet Bulb	895997	8243	2.315	.677	3570	366.2	725.2					788
Dew Point	800790	-7986	-2.218	.512	3570	839.9	739.2					788

PSYCHROMETRIC SUMMARY

75-83

APC

5748

STATION NAME

YEARS

MONTH

PAGE 1

0000-0000
HOURS (L, S, T)

[illegible]

PSYCHROMETRIC SUMMARY

STATION SONRESTON GL STATION NAME

75-82

YEARS

APR
MONTH

PAGE 7 ~~SECRET~~
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
27-23	.6																																	3	5	3	4
1-27	.2																																1	1	2	3	
1-11																																				1	
TOTAL	16.845	421	2	3	4	2																												673		853	
																																		493		493	
Element (X)	Z _B '	Z _E	X	a _s	No. Obs.	Mean No. of Hours with Temperature							Total																								
Rel. Hum.	7173432	39126	75.411.783	893	= 6 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																										
Dry Bulb	288967	9989	14.814.473	673	14.7	82.1					90																										
Wet Bulb	200753	7757	15.712.648	893	1.6	85.4					90																										
Dew Point	142712	5566	11.372.711	893	18.6	89.1					90																										

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 2300-0500
HOURS (L. S. T.)

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PSYCHROMETRIC SUMMARY

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APP

MONTH

PAGE 2 0000-0200
HOURS (L. S. T.)

Temp (F)		WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL						
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	+ 31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
27-23	.6																																		3	3	3	4		
26-27	.7																																	1	1	1	3			
25-21	.																																				1			
TOTAL	39.84° .411.2 3.4 .2																																		453	673	493			
</																																								

PSYCHROMETRIC SUMMARY

75-83

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APR
1964

PAGE 1 0300-0500
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4271
STATION

SONDRESTROM GL
STATION NAME

75-87
YEARS

APR
MONTH

PAGE 7 0300-0500
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																	
47/-17	.6																																4	6	8	2	
46/-19	1.4																																7	17	7	7	
47/-21	.4																																2	8	2	5	
47/-23																																			1		
47/-25	.4																																	2	7	2	2
46/-27	.2																																	2	1	2	1
47/-29	.2																																	1	1	1	1
47/-31																																				2	
TOTAL	45.0	41.7	9.5	3.3	.4																												494	654	494	484	

Element (X)	Σ x'	Σ x	x̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3195616	38926	87.411	598	484	≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	271994	9036	13.015	011	654	16.5	81.6					90
Wet Bulb	186997	7153	14.812	977	484	12.5	85.9					90
Dew Point	133791	5129	10.612	825	484	19.2	89.6					90

USAFETAC FORM 10-64 0-26-5 (OL A) REVISION 5-64-64 OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

APP
MONTH

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~~NOV 19 1951~~

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAO

PSYCHROMETRIC SUMMARY

STATION NAME: CONCRETE STATION
STATION NAME: STATION NAME

YEAR: 1960

APR
MONTH

PAGE 2 7600-0800
HOURS (L.S.T.)

Time (P)	WET BULB TEMPERATURE DEPRESSION (P)																																		TOTAL D.B./W.B.	TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Dry Bulb	Wet Bulb	Dew Point			
12-10	1.0																																6	13	6	6		
1-11																																	2	1	2	3		
2-12																																	2	2	2	1		
3-13																																	3	3	3	4		
4-14																																				1		
5-15																																				1		
6-16																																				1		
TOTAL	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0		

Element (X)	Σ	Σ	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	314500	39475	72.8	12.221	501	+ 0 F	+ 22 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Dry Bulb	296151	9791	14.8	15.132	661	15.5	79.5					9.1
Wet Bulb	206213	7739	15.4	17.165	501	11.5	83.7					9.0
Dew Point	193723	5469	12.9	12.963	501	18.5	88.7					9.0

USAFETAC FORM 0-26-5 (OLA) REVISED REVISION 5/67 OF 1960-08-01

PSYCHROMETRIC SUMMARY

75-83

APR
MONTH

PAGE 1

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PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 2 7900-1140
HOURS (11-5-7)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
14/-15	0.5																																	3	4	3	3
15/-17	1.																																	6	6	6	6
16/-19	0.7																																	4	4	4	7
17/-21	0.5																																	3	3	3	1
22/-23																																					5
24/-25																																					2
26/-27																																					1
TOTAL	25.5	47.62	1.5	10.1				0.2		0.3	0.2																							577	667		577

PSYCHROMETRIC SUMMARY

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MAY 70

CONDRESTEOM GL

75-47

YF 401

APR
MONTH

PAGE 1 ~~1250-1433~~

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PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

HOURS (L, S, T,)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
4/-16																																					4
1/-17																																				1	
2/-19																																				1	
3/-21																																				1	
2/-23																																				1	
TOTAL	12.4	44.6	22.5	16.6	2.9	.7	.2																											596	671	596	

Element (X)	$\Sigma H'$	ΣH	\bar{H}	σ_H	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2624064	41296	67.612	.947	596	10 F	12 F	17 F	23 F	28 F	33 F	
Dry Bulb	472235	15141	22.613	.961	671	6.8	66.5					90
Wet Bulb	349151	12639	21.211	.677	596	5.1	73.1					90
Dew Point	197734	8432	14.811	.482	596	10.9	87.3					90

PSYCHROMETRIC SUMMARY

APR
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

4271	SONDRESTROM GL
STATION	STATION NAME

75-87

YEARS

APR
MONTH

PAGE 2 1800-2700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
1/-01																						1												
2/-23																						1												
TOTAL	16.9	44.5	21.5	17.0	1.8	.2													542	562	542	542												
Element (X)	Z _{H'}	Z _H	X	G _A	No. Obs.	Mean No. of Hours with Temperature						Total																						
Rel. Hum.	2911177	39261	72.1	13.729	542	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																						
Dry Bulb	4156.5	14715	21.2	13.412	662	8.3	71.0					97																						
Wet Bulb	291637	1101	20.3	11.240	542	5.6	75.2					90																						
Dew Point	180547	7735	14.3	11.380	542	10.3	88.5					90																						

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 4231 SONCRESTROM GL STATION NAME 75-87 YEARS APR MONTH

PAGE 1 2100-2300
NOV 11 1987

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point															
46/ 43			.2															1														1			
44/ 43			.2	.6														4														6			
42/ 41				1.0														5														7	1		
40/ 39		.2	.5	1.8														17														16	2		
38/ 37		.2	1.4	.4														10														15	6		
36/ 35	.6	1.4	2.2	.6														28														28	13	7	
34/ 33	.4	2.6	3.3	.2														33														33	34	5	
32/ 31	1.4	3.5	1.8	.2														35														41	34	15	
30/ 29	.2	2.8	2.8															29														32	33	27	
28/ 27	2.2	3.1	1.6															35														44	33	40	
26/ 25	1.0	3.1	.4															23														28	35	26	
24/ 23	.2	3.9	1.1															26														37	25	28	
22/ 21	.6	4.7	.4															29														39	25	21	
20/ 19	.6	3.3	.6															23														25	34	22	
18/ 17	2.2	5.5	.2															40														48	37	27	
16/ 15	1.6	3.5																26														36	35	36	
14/ 13	.4	3.0																22														32	22	33	
12/ 11	1.2	2.2																17														22	18	37	
10/ 9	1.2	2.6																22														29	19	37	
8/ 7	1.2	1.2																12														18	19	24	
6/ 5	2.0	1.0																15														27	19	15	
4/ 3	1.8	.6																12														21	11	18	
2/ 1	2.4	.2																13														16	13	7	
0/ -1	1.5																	8														23	9	30	
-2/ -3	1.4																	7														12	7	13	
-4/ -5	1.0																	5														7	5	11	
-6/ -7	.6																	3														3	3	7	
-8/ -9	1.0																	5														8	8	2	
-10/-11	.2																	4														9	4	6	
-12/-13	.3																	4														6	4	4	
-14/-15																																	7		2
-16/-17	.4																	2														8	2	4	
-18/-19	.4																	2														2	2	1	
-20/-21																																			1
Element (X)	Σ X'					Σ X					Σ					Σ _n					No. Obs.					Mean No. of Hours with Temperature									
Rel. Hum.																										≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

FORM 0-26-5 (OL A) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC JAN 84

PSYCHROMETRIC SUMMARY

APF

MONTH

HOURS (L. S. T.)

USAFETAC FORM 0-26-S (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64

PSYCHROMETRIC SUMMARY

42312	SONDRESTROM GL
STATION	STATION NAME

75-83

APR
MONTH

PAGE 1

HOURS (L, S, T)

[illegible]

PSYCHROMETRIC SUMMARY

0231 SONDRSTROM GL

75-83

APR
MONTH

STATION

STATION NAME

YEARS

PAGE 2

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

 MAY
MONTH

PAGE 1 ~~CGO-0200~~

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PSYCHROMETRIC SUMMARY

75-83

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-6500

HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 00210 SONDESTRON GI STATION NAME

75-83 YEARS

YEARS

MAY MONTH

PAGE 1 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																			
67/ 59																																			1				
56/ 55																																		2	3				
64/ 53																																		7	8				
52/ 51																																		9	11				
57/ 49																																		7	9				
46/ 47																																		9	10				
46/ 45																																		26	31	7			
44/ 43																																		17	22	22			
42/ 41																																		27	33	10	2		
40/ 39																																		35	46	26	3		
38/ 37																																		46	51	43	19		
36/ 35																																		48	59	43	22		
34/ 33																																		50	57	71	34		
32/ 31																																		43	59	57	43		
37/ 29																																		67	72	59	59		
26/ 27																																		85	91	61	68		
36/ 25																																		32	32	67	59		
24/ 23																																		33	33	42	62		
22/ 21																																		18	19	36	40		
27/ 19																																		4	8	20	48		
19/ 17																																		6	7	6	31		
16/ 15																																		2	3	6	19		
14/ 13																																		4	4	4	24		
12/ 11																																		1	3	3	28		
10/ 9																																			2	1	15		
8/ 7																																			1		2		
6/ 5																																			3		1		
4/ 3																																			1				
2/ 1																																					1		
1/ -1																																							
TOTAL	7.4	42.6	29.6	12.3	5.9	1.9	.3																										578	676	578	578			
Element (X)	Σ _h			Σ _x			Σ _y			Σ _z			Σ _w			Σ _v			Σ _u			Σ _t			Σ _s			Σ _r			Σ _q			Σ _p			Σ _o		
Rel. Hum.	3396513			41883			71.718			720			578			10 F			32 F			67 F			73 F			80 F			93 F			Total					
Dry Bulb	799022			22510			33.3			8.561			676			1			85.1															93					
Wet Bulb	553594			17868			30.2			6.672			578						57.8															93					
Dew Point	378571			18163			28.5			7.392			578						80.1															93					

FORM 0-26-5 (OLAI) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

42710	SONORESTROM GL
STATION	STATION NAME

75-83

YEARS

MAY
MONTH

PAGE : ~~1200-1400~~
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
66/ 65								.7										2	3																
64/ 53						.2	.5		.3	.2								7	7																
62/ 61						.2	.2	1.										8	8																
60/ 59					.7	.5	1.2	.5										15	17																
58/ 57						1.0	.7	.7										10	11																
56/ 55				.2	.7	.7												9	13																
54/ 53				.3	1.0	.2	1.3											17	18	2															
52/ 51				.3	1.5	2.1	.8											29	31	7															
50/ 49				.7	1.5	2.7	.3											27	31	9															
48/ 47			.2	2.1	1.3	.5	.2											26	26	29															
46/ 45			1.8	2.5	4.5	.8												58	61	19	1														
44/ 43		.2	.8	2.6	1.0	.5												31	38	82	5														
42/ 41	.5	1.0	2.5	3.0	2.6	.3												60	65	45	9														
40/ 39		1.3	2.1	5.1	1.8	.3												65	78	86	18														
38/ 37		.5	5.1	3.1	.5													56	60	59	27														
36/ 35		1.3	2.5	.8	1.2													36	48	88	36														
34/ 33		.8	4.6	2.1	.7													50	56	99	40														
32/ 31	.2	1.3	1.5	2.6	.3													36	36	57	44														
30/ 29		1.0	2.3	.5														23	23	44	54														
28/ 27	.2	2.1	.8															19	19	36	108														
26/ 25	.3	.8																7	7	46	52														
24/ 23		.2																1	2	3	50														
22/ 21	.3	1.0	.2															9	9	3	43														
20/ 19		.7																4	7	6	31														
18/ 17																			4	5	25														
16/ 15																					21														
14/ 13																					24														
12/ 11																			2		15														
10/ 9																					5														
8/ 7																					1														
TOTAL	1.5	12.22	4.6	26.1	18.8	9.3	5.7	2.7	.3	.2								605	675	605	605														

PSYCHROMETRIC SUMMARY

04231	SONDRESTROM GL
STATION	STATION NAME

75-87

YEARS

MAY
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point												
68/ 67								.2										1	3													
66/ 65								.2	.7	.2	.2							7	7													
64/ 63								.3	.7									4	4													
62/ 61								.2	1.1									8	8													
60/ 59						.3	.5	1.8	.7									19	21													
58/ 57					.5	1.7	1.6	.2										20	22													
56/ 55					.8	.7	.2	.7										12	13	1												
54/ 53					.7	1.0	1.1	.3										19	24	4												
52/ 51					1.5	1.5	.7	.7										24	25	7												
50/ 49				.8	.7	.8												14	16	16												
48/ 47				1.8	1.8	1.1												29	29	24												
46/ 45			3.0	3.0	3.4	2.1	.3											21	82	29												
44/ 43			.9	3.0	2.3	1.3												45	46	31												
42/ 41		.3	2.3	3.4	1.8	.3												51	61	47												
40/ 39	.3	.8	3.3	3.8	1.3													58	61	51												
38/ 37		1.0	2.6	2.5	.5													40	42	51												
36/ 35		1.1	3.6	1.8	1.6													50	57	80												
34/ 33		1.3	3.3	2.5	1.3													51	53	72												
32/ 31	.2	.5	2.1	1.3	.2													26	26	61												
30/ 29	.2	.8	.7	.5														13	13	41												
28/ 27	.5	2.3	.7															21	21	41												
26/ 25		.5																3	3	23												
24/ 23		.8	.2															6	6	53												
22/ 21	.3	.5																5	5	7												
20/ 19		.3																2	9	4												
18/ 17		.2																1	5	2												
16/ 15																			6	1												
14/ 13																			1													
12/ 11																																
10/ 9																																
8/ 7																																
TOTAL	1.5	10.5	22.5	25.3	10.2	10.3	6.6	3.8	.2	.2								609	669	609												
Element (X)	Σ x'		Σ x		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										Total											
Rel. Hum.	7195023																															

2

MAY
MONTH

75-83

YEARS

PAGE 1 ~~1800-2000~~
HOURS (C.S.T.)

0-26-5 (OL A) ADVISE ADVISORY BOARD OF THIS POINT AND CLOSURE

USAFETAC

PSYCHROMETRIC SUMMARY

75-83

YEARS

MAY
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4271 STATION SONDRESTROM GI 75-87 YEARS MAY MONTH

PAGE 1 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point																	
65/ 67							.7											1															1	3			
66/ 65							.7	.1	.0	.0								9															12				
64/ 63						.0	.2	.1	.0	.0								14															15				
62/ 61						.0	.1	.3	.0									19															21				
61/ 59					.1	.3	.6	.2										53															61				
60/ 57					.1	.4	.4	.1										45															53				
56/ 55				.7	.3	.5	.2	.1										51															61	1			
54/ 53				.1	.5	.6	.5	.1										79															92	7			
52/ 51				.1	.9	.9	.3	.1										101															116	16			
51/ 49				.6	.6	.8	.1											100															121	39			
48/ 47			.1	1.3	1.0	.6	.7											139															155	78			
46/ 45		.1	1.9	2.5	2.4	.6	.7											356															402	104	2		
44/ 43		.1	1.4	2.7	.9	.3												217															257	185	16		
42/ 41	.1	.7	1.8	2.1	1.1	.1												280															346	221	26		
40/ 39	.7	1.3	2.5	2.7	.6	.1												337															403	321	60		
38/ 37	.2	2.0	3.4	2.1	.3													377															426	337	161		
36/ 35	.3	2.8	3.5	1.8	.6													431															500	426	250		
34/ 33	.4	2.8	4.2	1.4	.4													429															491	616	293		
32/ 31	.5	3.7	2.1	1.3	.1													325															393	515	374		
30/ 29	.5	3.8	2.3	.8														345															367	423	436		
28/ 27	1.3	6.3	2.5	.1														478															500	418	732		
26/ 25	.4	2.5	.7															171															175	434	423		
24/ 23	.1	2.4	.5															143															146	211	446		
22/ 21	.4	1.3	.1															82															90	146	366		
20/ 19	.1	.9	.1															47															60	84	285		
18/ 17	.1	.5																26															42	63	228		
16/ 15		.6																26															42	29	157		
14/ 13	.7	.4																21															32	23	161		
12/ 11	.7	.0																2															17	6	177		
10/ 9		.0																1															8	1	83		
8/ 7																																		6	1	19	
6/ 5																																		11		7	
4/ 3																																		2		1	
2/ 1																																				2	
Element (X)	Σ X ¹			Σ X			Σ			Σ			No. Obs.			Mean No. of Hours with Temperature																					
Rel. Hum.																≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total															
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

ALL

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

JUN
MONTH

PAGE 1 ~~0000-0200~~
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

74-82

JUN
MONTH

STATION

STATION NAME

YEARS

PAGE 1 0300-0500
HOURS (L. S. T.)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 74-87 SONDRESTROM GL

74-87

JUN

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
7/ 69									.2									1	1						
6/ 65								.2	.5									4	4						
64/ 63						.5	.2	.7	1.0									13	13						
62/ 61					.2	.7	1.2	.3	.3									16	16						
60/ 59					.2	.2	1.7	.5										19	23						
58/ 57				.3	2.5	1.2	.7	.2										29	35						
56/ 55				.3	2.3	1.8	1.2	.5										37	45						
54/ 53				1.2	2.8	1.5	1.7	.3										41	47	5					
52/ 51			.8	2.3	2.8	.5	.5	.2										43	49	7					
50/ 49			.8	4.5	1.3	1.3	.3											50	59	15					
48/ 47		.3	3.5	4.3	2.8	.8	.3											73	84	70					
46/ 45		1.5	6.5	6.1	1.0	2.2	.5											107	119	93	14				
44/ 43		.2	2.3	2.8	2.7	1.2	.5	.3										60	68	87	8				
42/ 41		.3	2.5	1.3	1.2	1.8	.5	.2										47	54	100	29				
40/ 39		1.0	.3	.3	.8	.3												17	18	84	102				
38/ 37		.5	.2	1.7														14	14	45	59				
36/ 35		.8	.3	.7	.3	.2												14	14	35	82				
34/ 33			.8	1.2	.2													13	13	26	69				
32/ 31			.7															4	4	25	51				
30/ 29																				9	37				
28/ 27																				1	51				
26/ 25																					21				
24/ 23																					31				
22/ 21																					15				
20/ 19																					13				
18/ 17																					8				
16/ 15																					1				
14/ 13																					2				
12/ 11																					2				
10/ 9																					3				
8/ 7																					3				
6/ 5																					1				
TOTAL	1.8	9.6	14.9	24.4	17.4	12.6	8.0	4.2	2.7	.3									602	682	602				
Element (X)	Σ X'		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X				
Rel. Hum.	2231598		35104		58.317		526		602		± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F				
Dry Bulb	1631515		33733		48.4		6.806		682				.5		.1										
Wet Bulb	1060074		25788		41.7		4.920		602				5.2												
Dew Point	686313		19887		33.0		6.988		602				35.7												

FORM 0-26-5 (OL A) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

74-82

YEARS

1111
MONTM

PAGE 1 ~~1250-1430~~
~~Refuge (C.S.I.)~~

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point												
71/ 69										.2	.3							3	3													
66/ 67							.2	.2	.3	.7	.2							9	9													
66/ 65						.3		.5	.8	.8								15	15													
64/ 63						.7	.7	1.8	1.8	.2								31	38													
62/ 61						.7	2.3	1.5	.3									26	29													
60/ 59				.2		2.9	3.4	1.1	.3									49	54													
59/ 57			.2	.2	1.5	2.4	.5	.7										32	36													
56/ 55				.2	4.9	.7	1.8	.3										48	56													
54/ 53			.2	2.3	3.3	1.3	2.4	.7										60	70		9											
52/ 51				2.3	3.3	1.6	1.2	.5										53	60	23												
51/ 49			.3	3.1	3.1	2.3	.5	.7										59	73	67	1											
48/ 47		.5	2.1	4.2	1.5	1.5	1.2	.2										67	80	103	6											
46/ 45	.2	.2	4.2	4.7	1.1	1.6	.5											81	87	76	8											
44/ 43		1.6	1.2	1.8	1.2	.3	.2											36	37	95	6											
42/ 41	.2	.3	.3	.3	.7	.5												14	15	85	40											
40/ 39		.8	.3	.5	.5													13	13	60	111											
39/ 37			1.2	.2														7	7	35	71											
36/ 35		.3	.5															5	5	21	74											
34/ 33			.7															4	4	21	68											
32/ 31		.3																2	2	13	41											
31/ 29																				2	41											
29/ 27																					57											
26/ 25																					19											
24/ 23																					32											
22/ 21																					10											
20/ 19																					3											
18/ 17																					9											
16/ 15																					5											
14/ 13																					6											
12/ 11																					3											
10/ 9																					3											
TOTAL	.3	4.7	1.7	1.9	.92	7.7	16.4	14.3	7.2	3.7	2.5	.2						614	693		614											

Element (X)	Z _g ¹	Z _g	X	σ _g	No. Obs.
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PSYCHROMETRIC SUMMARY

74-82

JUN
MONTH

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1500-1700
HOURS (1-2-3)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
74/ 73											.3							1	1					
72/ 71											.3							2	2					
70/ 69										.2	.3							5	5					
68/ 67							.2	.2	.5	.3	.2							8	8					
66/ 65								.2	.7	.1								7	17					
64/ 63					.5	.3	2.0	2.2	1.9									41	43					
62/ 61						.5	3.2	1.8	.5									31	41					
60/ 59						3.7	4.6	1.4	.7									61	65					
58/ 57			.2	.2	1.5	2.2	.8	.7										33	41	3				
56/ 55			.2		3.4	1.7	1.5	.5	.3									41	50	2				
54/ 53				2.2	2.5	1.9	2.7	.7										59	71	8				
52/ 51			.2	2.5	4.7	1.7	1.5	.7										68	75	39	1			
50/ 49				1.5	3.4	1.9	1.2	.3										49	61	78	3			
48/ 47		.5	1.5	2.2	3.4	.8	.7	.3										56	63	84	3			
46/ 45			1.4	3.4	2.5	1.4	1.4	.2										60	63	97	6			
44/ 43			2.1	1.7	.3	.2	.8											26	27	87	24			
42/ 41	.5		.5	.7	.5													18	19	88	44			
40/ 39		.3	.5	.2	.3													8	8	49	106			
38/ 37			.7	.2														5	5	17	50			
36/ 35		.2	.5	.5														7	7	22	74			
34/ 33		.3																2	2	15	71			
32/ 31		.3																2	2	11	38			
30/ 29																					39			
28/ 27																					54			
26/ 25																					22			
24/ 23																					23			
22/ 21																					7			
20/ 19																					5			
18/ 17																					9			
16/ 15																					7			
14/ 11																					2			
8/ 7																					2			
TOTAL	.5	5.9	10.3	14.92	20.3	15.6	18.0	7.8	4.7	1.0	.3							590	669	590	590			
Element (X)																								

PSYCHROMETRIC SUMMARY

42322 SONORESTROM GL

74-82

YEARS



PAGE 1 ~~1870-2000~~
HOURS 10:00

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
71/ 69									.2	.5								4	4													
66/ 67										.2								2	2													
66/ 65										.2								3	4													
64/ 63					.2	.5	.7	1.0	1.2									25	27													
62/ 61					.2	.2	1.6	.7	.5									18	20													
60/ 59				.2	.2	1.1	4.3	1.2	.5									42	49													
58/ 57					.5	3.7	1.0	.9										35	46													
56/ 55			.2	.2	2.5	2.3	1.8	.4										41	54	3												
54/ 53				2.7	2.7	2.7	1.2	.4										42	60	5												
52/ 51			.7	3.2	2.1	1.2	1.8											51	63	15												
51/ 49			2.7	3.0	2.3	2.3	.4											60	80	34	1											
48/ 47		1.1	2.5	2.1	2.3	1.8	.5	.2										57	70	95	4											
46/ 45		1.8	5.2	4.3	2.7	.7	.7											86	97	84	9											
44/ 43			2.5	1.2	1.6	1.4												35	46	87	19											
42/ 41	.4	1.1	.7	1.1	1.6	.2												28	30	79	40											
40/ 39		.9	.2															6	9	65	90											
38/ 37		.4	.7	.5														9	11	38	43											
36/ 35	.2	.4	.9	.2														9	9	22	57											
34/ 33		.7	.5															7	7	23	75											
32/ 31			.4															2	2	7	86											
30/ 29																				3	50											
28/ 27																				2	44											
26/ 25																					25											
24/ 23																					27											
22/ 21																					10											
20/ 19																					7											
18/ 17																					11											
16/ 15																					1											
14/ 9																					1											
8/ 7																					2											
TOTAL	.5	F.2	15.8	18.3	18.7	14.9	14.8	5.5	2.7	1.2								562	697	562	562											
Element (X)	Σ x ²		Σ x		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature																					

PSYCHROMETRIC SUMMARY

(427) SONDRESTPOM GL

74-82

JUN

STATION

STATION NAME

YEARS

30 MONTH

PAGE : 2100-2300

210023L
MOORE (S. J.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

042312
STATION

SONDRESTROM GL
STATION NAME

74-80
YEARS

JUN
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point																	
74/ 73											.0							1															1				
72/ 71											.0							2															2				
70/ 69										.1	.2	.0						13															13				
68/ 67							.1			.1	.2	.0						20															20				
66/ 65						.0		.1		.1	.3							29															29		33		
64/ 63					.1	.3	.5	.9	.8	.0								111															122				
62/ 61				.1	.2	1.1	.6	.2	.3									96															115				
60/ 59			.1	.1	1.0	1.8	.7	.3										183															204				
58/ 57		.1	.1	.1	1.5	.7	.4	.0										146															177		4		
56/ 55		.1	.1	1.3	1.2	1.1	.2	.0										208															255		8		
54/ 53		.1	1.2	1.9	1.5	1.2	.3											283															342		27		
52/ 51	.1	.1	1.8	2.5	1.4	.7	.2											324															372		90	1	
50/ 49	.1	1.1	2.7	1.9	1.5	.4	.1											353															465		204	5	
48/ 47	.5	2.1	2.4	2.0	1.1	.4	.1											400															510		402	16	
46/ 45	.1	1.6	6.2	4.1	2.7	1.2	.3											717															859		480	49	
44/ 43	.1	2.3	3.0	2.0	1.0	.4	.1											406															509		637	90	
42/ 41	.8	3.7	2.5	1.3	1.2	.5	.1											459															547		745	236	
40/ 39	.1	2.8	1.6	1.7	.7	.1												284															331		593	663	
38/ 37	.5	1.4	1.5	.6	.2	.0												190															211		496	422	
36/ 35	.3	1.3	1.0	.4	.1													144															159		326	589	
34/ 33	.2	.8	.7	.1	.1													85															92		289	573	
32/ 31	.1	1.0	.2	.0	.1													62															64		166	398	
30/ 29	.0	.7	.2	.1														50															50		79	336	
28/ 27	.3	.1	.1	.1														25															25		87	856	
26/ 25	.0	.0																4															4		19	206	
24/ 23		.2																1															1		0	213	
22/ 21																																				4	100
20/ 19																																			1		68
18/ 17																																					72
16/ 15																																					28
14/ 13																																					19
12/ 11																																					14
10/ 9																																					16
8/ 7																																					19
Element (X)	Σ H ¹					Σ H	Σ	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature										Total																
Rel. Hum.											≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

FORM 0-24-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

74-82

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

MOORE, J. S. Y.

[illegible]

PSYCHROMETRIC SUMMARY

74-82

YEARS

CONTINUED

PAGE : ~~0000-0200~~

PSYCHROMETRIC SUMMARY

4231 1 SONDRESTROM GL

74-82

JUL

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

JUL

YEARS

C900-1100
MOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

12310	SONDRESTROM GL
STATION	STATION NAME

74-82

YEARS

MONTH

PAGE 1

~~1230-1430~~

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
74/ 71																		1	1					
72/ 71																		2	2					
71/ 69																		7	9					
68/ 67																		12	14					
66/ 65																		26	27					
64/ 63																		105	113					
61/ 61																		90	101					
57/ 59																		92	101					
52/ 57																		58	69	2				
56/ 55																		60	79	13				
54/ 53																		56	68	67				
52/ 51																		34	38	4				
49/ 49																		41	46	175				
47/ 47																		33	34	123				
46/ 45																		24	25	72				
44/ 43																		7	7	43				
42/ 41																		8	9	23				
40/ 39																				16				
36/ 37																				1				
36/ 35																								
34/ 33																								
32/ 31																								
30/ 29																								
28/ 27																								
TOTAL	.3	6.7	8.5	13.6	16.	22.9	18.7	8.1	3.3	2.1								656	742	656				

PSYCHROMETRIC SUMMARY

14231 SONDRESTROM GI
STATION STATION NAME

74-82

YEARS

1111

PAGE 1 ~~1830-2000~~
Holt R.C. 1.1.1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
72/ 71																		1	2													
70/ 69																		3	3													
68/ 67																		4	7													
66/ 65																		14	16													
64/ 63																		40	48													
62/ 61																		54	70													
60/ 59																		65	93													
58/ 57																		68	87													
56/ 55																		78	96													
54/ 53																		68	87													
52/ 51																		66	73													
50/ 49																		45	51													
48/ 47																		31	33													
46/ 45																		34	36													
44/ 43																		9	9													
42/ 41																		7	7													
40/ 39																		2	2													
38/ 37																		1	1													
36/ 35																																
34/ 33																																
32/ 31																																
30/ 29																																
28/ 27																																
26/ 25																																
TOTAL																		592	721	592	592											

PSYCHROMETRIC SUMMARY

74-82

**ALL
MONTH**

ALL
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

4231 SONORESTROM GL
STATION

74-82

~~AUG~~
MONTH

PAGE 1

~~2300-0500~~
~~Hours (L.S.Y.)~~

PSYCHROMETRIC SUMMARY

ALL
MONTANA

PAGE 1 ~~1500-1730~~
~~1043 (G.I.)~~

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point										
62/ 67							.2	.8	1.6	1.1								2	4												
66/ 65																		23	27												
64/ 63					.2	1.0	3.4	4.5	1.1									63	72												
62/ 61					.5	1.5	1.9	2.4	.6									44	59												
60/ 59				.2	.8	1.5	4.4	1.5										51	61												
56/ 57				.8	1.9	2.6	4.2	.2										60	67												
56/ 55				.8	4.7	2.8	1.1											58	75	2											
54/ 53				1.9	3.2	1.6	1.1											49	54	16											
52/ 51			.3	2.9	1.9	1.5	.6											45	54	51											
50/ 49		.2	3.4	4.7	1.6	2.1												74	77	81	1										
48/ 47	.2	1.1	3.1	1.0	1.1	.3												48	54	131	5										
46/ 45	.5	1.1	5.4	1.2	1.9													61	66	127	20										
44/ 43		1.8	.8															16	19	P2	38										
42/ 41	.3	1.6	.2	.6														17	20	84	74										
40/ 39		.3	.2															3	3	33	124										
38/ 37		.3																2	2	9	64										
36/ 35																				4	81										
34/ 33																					59										
32/ 31																					50										
30/ 29																					53										
28/ 27																					42										
26/ 25																					6										
22/ 21																					1										
20/ 19																					1										
TOTAL	1.2	6.51	3.31	4.91	8.21	4.81	17.2	9.7	3.4	1.1								616	714	616	616										

PSYCHROMETRIC SUMMARY

AUG

MONTH

1830-2000

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

74-82

ALL
MONTH

PAGE 1 ~~21CC-2300~~
HOURS (L. F. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
59/ 59																			1						
58/ 57						.2	.3	.2	.2									5	7						
56/ 55					.2	.5	.2	.9										10	14						
54/ 53				.3	1.0	2.5	1.0	.5										32	36						
52/ 51				1.7	3.6	2.1	1.7	.7										55	63	1					
50/ 49				.2	1.7	5.7	2.1	1.5										63	66	3					
49/ 47			1.8	3.6	4.1	3.3	.8											83	97	23					
46/ 45		.2	4.5	11.2	5.5	2.6	.7											149	172	74					
44/ 43			5.0	6.7	3.0	.2												65	94	112					
42/ 41		1.5	5.5	4.3	.8	.7												77	91	167					
40/ 39		.2	1.7	1.0	.5	.2												21	22	119					
38/ 37		.6	1.0	.7														15	16	67					
36/ 35		.2	.5	.3														6	6	74					
34/ 33			.2	.2														2	2	10					
32/ 31				.2														1	1	3					
30/ 29			.2															1	1	1					
29/ 27																				1					
26/ 25																									
24/ 23																									
22/ 19																									
18/ 17																									
TOTAL	2.3	2.0	3.3	4.2	3.6	4.4	6.1	2.1	.2									605	709	605					

PSYCHROMETRIC SUMMARY

4231 - SONDESTROM GL

74-82

AUG

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

ALL
HOURS (L. S. T.)

[illegible]

AD-A146 919 SONDRESTROM AB GRFENLAND REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSER. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. JUL 84
UNCLASSIFIED USAFETAC/DS 84/021 SRI AD-E850 745 F/G 4/2

SONDRESTROM AB GREENLAND REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSER. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. JUL 84
USAFETAC/DS 84/021 SRI AD-E850 745 F/G 4/2

5/5

UNCLASSIFIED

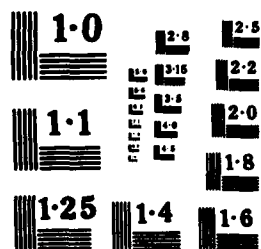
F/G 4/2

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END

DATE _____
PAGE _____

12 84



PSYCHROMETRIC SUMMARY

YEARS

~~SEE~~
~~MONTH~~

PAGE : ~~0000-0200~~

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
50/ 55				.2	.4													3	3																
54/ 53				.2	.4													3	4																
52/ 51			.4	1.1														8	9																
51/ 49			.4	.9		.4												9	10	2															
48/ 47		.2	.5	.5	.2													8	11	6															
46/ 45		.2	1.1	1.1	.4	1.3												22	23	16															
44/ 43		.7	1.4	2.2	.9	.5	.2											33	39	6	3														
42/ 41	1.1	1.6	2.3	.7	2.1													43	56	23	13														
40/ 39	.4	1.6	2.9	1.8	.2													38	48	21	28														
38/ 37	.7	3.6	2.5	1.1	1.4													52	61	39	14														
36/ 35	.9	6.3	2.7	1.1	1.1													63	84	75	24														
34/ 33	1.3	5.9	3.8	.4	.2													64	74	93	42														
32/ 31	1.6	4.9	2.2															48	63	62	55														
30/ 29	1.1	5.1	1.8	.5														47	56	56	60														
28/ 27	4.3	5.2	1.3	.7														64	76	67	88														
26/ 25	.7	.4	1.3															13	14	37	43														
24/ 23	.2	1.1	1.1	.9														18	21	9	52														
22/ 21	.5	1.4	.2															12	14	17	31														
20/ 19	.5	.5																6	6	19	29														
18/ 17																				6	10														
16/ 15		.4																2	2	2	16														
14/ 13																			1		16														
12/ 11																					8														
10/ 9																					13														
8/ 7																					3														
6/ 5																					5														
4/ 3																					2														
2/ 1																					4														
TOTAL	13.3	39.0	25.2	13.5	6.7	2.2	.2											556	675	556	556														

PSYCHROMETRIC SUMMARY

74-82

SEP

STATION

STATION NAME

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MONTH

PAGE 2

0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
59/ 57					.4													2	46					
56/ 55					.4													3	46					
54/ 53					.4													2	2					
52/ 51					.5	.2												4	4					
49/ 49				.5	1.6		.2											14	14	3				
49/ 47				.4	.4	.4	.2											7	7	4				
45/ 45		.2	.5	.9	.4	.7												15	15	15				
44/ 43		.6	.5	.5		.5												14	23					
42/ 41		2.9	1.6	.7	2.3	.2												43	51	17	7			
40/ 39	.4	1.1	.9	.5	.2													17	26	22	35			
38/ 37	1.6	1.6	2.9	1.1	1.6													50	62	28	11			
36/ 35	1.1	6.6	2.7	1.1	.4													66	80	44	23			
34/ 33	3.1	4.6	3.7	1.2	.5													65	92	100	32			
32/ 31	1.2	6.4	2.1	1.2	.2													63	81	66	47			
30/ 29	2.1	6.4	1.4	.5														59	64	62	66			
28/ 27	4.3	6.8	1.8	.4	.2													75	90	78	92			
26/ 25	.7	.9	.9	.4														16	20	48	35			
24/ 23	.7	.9	1.2	.2														17	20	19	52			
22/ 21	.9	1.4	.4															15	15	16	31			
20/ 19	.2	.9	.4															8	9	18	28			
18/ 17	.2																	1	2	7	21			
16/ 15	.2	.5																4	4	5	21			
14/ 13		.2																1	3	2	15			
12/ 11																					7			
10/ 9																					19			
8/ 7																					5			
6/ 5																					6			
4/ 3																					3			
2/ 1																					1			
0/ -1																					2			
-2/ -3																					1			
TOTAL	15.742	42.2	21.2	11.9	7.7	1.8												561	682	561	561			

Element (X)	Z _R ¹	Z _R	X	C _s	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3335414	42.72	75.917	240	561	≤ 6 F	≥ 35 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	819037	23099	33.9	7.229	681		40.6					90
Wet Bulb	568529	17491	31.2	6.435	561		51.5					90
Dew Point	419188	19578	26.7	8.486	561	.5	72.5					90

PSYCHROMETRIC SUMMARY

~~SECRET~~

~~C-630-C800~~
~~NOV 16 1964~~

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
54/ 57					.2													1	1					
56/ 55				.2	.5													4	6					
54/ 53				.2		.4												3	4					
52/ 51				.5	.2	.2												5	5					
50/ 49			.4	1.4	.5	.2												14	15	2				
48/ 47			1.1	.5	.2	.4												12	12	5				
46/ 45			1.1	.7	.4	.2	.2											14	14	13	1			
44/ 43		.7	.5	.5		.2												11	14	16	1			
42/ 41	.7	1.4	1.9	.5	2.6	1.1												47	57	19	6			
40/ 39	.2	1.4	1.8	.7	.7	.4												29	39	13	33			
38/ 37	2.3	3.5	3.9	1.2	1.1													68	79	78	13			
36/ 35	1.1	4.0	1.6	1.6	.7	.2												52	60	57	28			
34/ 33	1.6	4.2	1.4	1.4	.2													50	66	88	37			
32/ 31	1.6	7.2	1.8	1.6	.4													71	94	61	47			
30/ 29	2.1	3.9	2.1	1.2	.4													55	67	66	69			
28/ 27	4.7	6.5	.7	.5														67	75	70	77			
26/ 25	.7	2.3	.7	.5														24	28	49	39			
24/ 23	.7	.9	.2															10	17	25	36			
22/ 21	.9	1.2	.4															14	15	19	32			
20/ 19	.2	1.2	.5															11	11	9	33			
18/ 17	.2																	1	3	17	31			
16/ 15	.4	.4																4	8	5	31			
14/ 13	.5																	3	4	4	10			
12/ 11																				1	8			
10/ 9																					15			
8/ 7																					8			
6/ 5																					7			
4/ 3																					3			
2/ 1																					3			
0/ -1																					3			
TOTAL	16.5	39.3	19.8	13.3	7.9	3.0	.2											570	692	570	570			
Element (X)	ΣX'		ΣX		Σ		C _a		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	7312212		42796		73.9		18.903		570		± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total	
Dry Bulb	841886		23588		38.1		7.828		692				81.8										90	
Wet Bulb	582776		17812		31.3		6.617		570				57.4										90	
Dew Point	422258		18680		25.8		8.812		570				71.2										90	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

42711 SONDREST POM 6L

74-82

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL O.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point																
59																																	2	2		
57																																	2	2		
55																																	5	6		
53																																	9	9		
51																																	9	12		
49																																	25	30	3	
47																																	23	24	8	
45																																	65	70	72	1
43																																	39	52	26	3
41																																	51	68	41	8
39																																	45	59	41	38
37																																	53	62	54	27
35																																	54	74	82	29
33																																	54	64	81	50
31																																	43	55	50	55
29																																	17	20	45	43
27																																	34	38	43	80
25																																	11	17	25	29
23																																	7	11	15	43
21																																	1	3	9	26
19																																	2	7	3	25
17																																	3	3	4	34
15																																				2
13																																				22
11																																				8
9																																				5
7																																				5
5																																				3
3																																				2
1																																				2
TOTAL	7.6	23.8	26.5	18.1	14.3	6.9	2.9																											554	681	554
Element (X)	2g	2g	2g	2g	2g	2g	2g	2g	2g	2g	2g	2g	2g	2g	2g	2g	2g	2g	2g	2g	2g	2g	2g	2g	2g	2g	2g	2g	2g	2g	2g	2g	2g	2g	2g	
Rel. Hum.	2629522	36624	66.1	19.411	554	10 F	32 F	67 F	73 F	80 F	93 F	Total																								
Dry Bulb	140299	26133	38.4	7.422	681																															90
Wet Bulb	675793	1935	34.4	6.274	554																															90
Dew Point	449547	15018	27.1	8.642	554																															90

FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4231 SONDRESTROM GL 74-82 YEARS CFP MONTH

PAGE 1 1200-1430 HOURS (C. F. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
62/ 51							.5	.7										2	2						
62/ 59							.7	.5										7	7						
60/ 57					1.0		.7	.5	.3									15	15						
56/ 55			.2	.5	.5	1.7	.7											21	22						
54/ 53				.3	1.2	.9	1.7											24	24						
52/ 51			.2	.5	.9	.9	.7											18	23	1					
50/ 49			.5	1.6	.7	1.6	2.3	.2										39	49	12					
48/ 47			.9	1.0	1.7	1.9	1.2											50	60	18	1				
46/ 45		.3	2.8	2.6	2.8	2.8	.3											67	72	35					
44/ 43		1.2	1.9	3.1	1.9	.9												51	61	47	4				
42/ 41	.7	1.7	3.1	2.3	1.7	1.9	.2											67	81	53	13				
40/ 39	.2	2.6	2.8	1.9	1.9	.5												57	79	61	43				
38/ 37	.3	1.7	3.5	2.1	1.2	.3												53	60	91	30				
36/ 35	.2	1.6	1.9	2.3	.2	.2												36	41	66	39				
34/ 33	.3	.7	1.6	.3	.2													18	30	64	57				
32/ 31	.7	1.6	.7	.2	.2													16	29	56	45				
30/ 29	.7	.5	.7	.5	.2													15	17	28	54				
28/ 27	.9	.5	1.2															14	17	19	83				
26/ 25		.5	.2															4	4	14	31				
24/ 23		.2	.2															2	3	8	51				
22/ 21																				2	34				
20/ 19																				1	23				
18/ 17																					19				
16/ 15																					10				
14/ 13																					18				
12/ 11																					5				
10/ 9																					8				
8/ 7																					3				
6/ 5																					6				
4/ 3																					2				
TOTAL	4.0	12.7	22.7	21.0	16.3	14.8	8.3	.9											696		576				

Element (X)	ΣX	ΣX	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2189538	13812	58.738	8.860	576	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	
Dry Bulb	1291886	29536	62.8	7.857	696		9.1					9.0
Wet Bulb	811915	21361	37.1	5.858	576		22.0					9.0
Dew Point	893388	16186	28.1	8.188	576		61.2					9.0

USAFETAC 0-26-5 (OL A) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE FORM 44 JUL 64

PSYCHROMETRIC SUMMARY

74-87

STATION

STATION NAME

YEARS

MONTI

PAGE 3

15 C-175
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

74-62

YEARS

CONFIDENTIAL

PAGE 1

9-5-20-20-20
HOURS 1 5 10

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2

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
A. STATION 2. SERVICE / MAC

PSYCHROMETRIC SUMMARY

STATION LOWEYESTROM CL
STATION NAME

74-80

YEARS

SEP
MONTH

PAGE 21.2-2310
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
/																																		2	7			
/																																		3	3			
/																																		6	6			
/																																		6	10	1		
/																																		9	17	3		
/																																		13	17	3		
/																																		2	40	13		
/																																		18	44	17	3	
/																																		33	72	34	9	
/																																		45	57	40	33	
/																																		77	83	68	19	
/																																		66	85	86	46	
/																																		65	67	91	54	
/																																		42	69	81	50	
/																																		1	77	50	5	
/																																		13	47	44	7	
/																																		9	17	23	30	
/																																		12	14	9	45	
/																																		9	17	13	33	
/																																		4	4	16	21	
/																																			3	1	1	1
/																																					13	
/																																					6	
/																																					4	
/																																					7	
/																																					5	
/																																					3	
TOTAL	11.0	27.9	31.7	8.4	7.7	2.3																												562	605	561	561	

Element (X)	ΣX'	ΣX	X	%	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2.64067	4.3337	71.2	17.173	56	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	661317	25223	76.7	6.599	685		74.4					22
Wet Bulb	654729	19863	33.5	6.48	567		34.9					92
Dew Point	473972	15682	28.1	7.73	561		63.5					9

Element (X)	Z _g ²	Z _g	Z	C _s	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2.64867	4.337	71.2	17.173	56	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	61317	25223	36.1	6.599	685		24.4					22
Wet Bulb	54729	19863	33.5	6.48	561		34.9					92
Dew Point	473972	15682	28.1	7.273	561		63.5					90

GENERAL CLIMATOLOGY BRANCH
ALABAMA
AIR WEATHER SERVICE/AL

PSYCHROMETRIC SUMMARY

STATION NAME

74-25-

VI - 9

DATE

PAGE 1

Temp. °F	WET BULB TEMPERATURE DEPRESSION (°F)																														TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	TOTAL Wet Bulb Dew Point

PSYCHROMETRIC SUMMARY

74-9

514

STATION NAME

YEARS

255
MONTH

986

HOURS ALL U. S. T.

[illegible]

0265 (OLA) 88-14C 8897-1-1A 8(1-125) 1.0' 1.0' 8.0m 4.0L 8.0' 1.0'

USAFETYAC

PSYCHROMETRIC SUMMARY

STATION NAME

74-82

YEARS

~~SECRET~~

PREFACE

11:00 - 12:00
HOURS (L. S. T.)

[illegible]

CLIMATE BRANCH
CLIMATE SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION CONFESTROM GL

74-87

YEARS

OCT
MONTH

PAGE 7

0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

74-25

YEARS

OCI
MONTH

PAGE 4

27255

[illegible]

PSYCHROMETRIC SUMMARY

74-82

OC 1

STATION

STATION NAME

YEARS

LAOAN T H

PAGE 2

2301-0540
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
TOTAL	36.6	35.5	16.6	5.6	3.2	1.8	.7	.4											555	694	555	555														

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 6273 SONPRESTROM GL STATION NAME 74-80 YEARS OCT MONTH

PAGE 1 0600-0800

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																
47/ 59																		2															2			
56/ 55																		3															3			
44/ 53																		1															1			
42/ 47																																				
46/ 45																		4															5	2		
44/ 43																		12															12	3		
42/ 41																		29															31	1		
40/ 39																		11															12	11	2	
39/ 37																		11															14	12	3	
36/ 35																		10															13	15	3	
34/ 33																		12															13	32	6	
32/ 31																		11															28	21	17	
30/ 29	1.8	1.6																25															27	22	20	
28/ 27	4.1	5.6	3.2															75															83	36	43	
26/ 25	2.2	4.3	1.3															43															52	47	25	
24/ 23	1.3	4.7	2.0															44															51	52	31	
22/ 21	5.0	1.6	3.2															55															61	60	39	
20/ 19	2.3	3.2	.9															36															40	29	33	
18/ 17	2.7	1.8	.4															27															32	56	55	
16/ 15	2.0	2.3	.2															25															32	32	50	
14/ 13	1.1	2.3																19															36	19	38	
12/ 11	1.1	1.1	.4															14															21	13	18	
10/ 9	3.2	1.3																25															45	25	37	
8/ 7	1.5	.7																13															23	16	34	
6/ 5	.7	.5																7															8	7	17	
4/ 3	1.1	.2																7															15	9	17	
2/ 1	1.4	.5																11															18	9	9	
0/ -1	2.5																	14															17	17	23	
-2/ -3	.9																	5															7	5	13	
-4/ -5	.7																	4															5	4	7	
-6/ -7	.5																	3															3	3	3	
-8/ -9																																				9
-10/ -11																																				4
-12/ -13																																				1
Element (X)	Σ H ¹	Σ H	Σ	Σ _a	No. Obs.		Mean No. of Hours with Temperature										Total																			
Rel. Hum.							≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

FORM 0-26-5 (OL A) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

PSYCHROMETRIC SUMMARY

74-82

QCI
MONTH

PAGE 2 2620-0800
HOURS (L. S. T.)

[illegible]

2

PSYCHROMETRIC SUMMARY

5231 SONDRESTROM GL
STATION STATION NAME

74-A2

YEARS

OC

PAGE 1

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USAFETAC
FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

74-87

YEARS

051
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

74-82

77-0000

PAGE

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

OCT
MONTH

PAGE 2 120C-1490
HOURS (L. S. T.)

Temp		WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL	TOTAL		
F		0	1	2	3	4	5	6	7	8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
/ - 1	TAL	35.7	34.1	32.1	29.6	26.5	22.4	17.6	12.7	7.2														580	723	580	580		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFS WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 542311 SONDRESTROM GL STATION NAME

74-82

YEARS

OCT

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B./W.B.	TOTAL							
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Dry Bulb	Wet Bulb	Dew Point							
47 63																																	2	2								
47 59																																	1	1								
47 55																																	1	1								
47 53																																	1	1								
47 51																																	2	3								
47 47																																	3	4								
47 47																																	3	5	2							
47 45																																	16	18	1							
47 45																																	13	14	2							
47 41																																	31	34	5							
47 37																																	17	24	17							
47 37																																	24	28	16							
47 35																																	28	32	29	8						
47 33																																	45	51	46	11						
47 31																																	43	55	42	16						
47 29																																	34	39	45	27						
47 27																																	48	55	52	68						
47 25																																	33	37	52	20						
47 23																																	38	47	41	39						
47 21																																	42	43	40	40						
47 19																																	22	30	35	50						
47 17																																	19	29	31	58						
47 15																																	17	22	16	34						
47 13																																	17	24	17	39						
47 11																																	13	17	21	21						
47 9																																	18	28	18	13						
47 7																																	3	17	5	26						
47 5																																	11	16	6	12						
47 3																																	11	15	16	9						
47 1																																	13	15	13	10						
47 -1																																	8	14	9	29						
47 -3																																				12						
47 -5																																				6						
47 -7																																				2						
Element (X)	Σ X			Σ X			Σ X			Σ X			Σ X			Σ X			Σ X			Σ X			Σ X			Σ X			Σ X			Σ X			Σ X					
Rel. Hum.																																										
Dry Bulb																																										
Wet Bulb																																										
Dew Point																																										

FORM 10-64 0-26-5 (OL A) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

4.31" SONDESTRON GL

74-82

001

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1500-1700
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

042317 SONDBRESTROM GL 74-82 OCT 1800-2000
STATION MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
7 / 59																			3	7															
48 / 47					.2	.4	.2												5	7															
46 / 45			.4	.2		.2													8	9	2														
44 / 43			.2	.9		.7													10	11	2														
42 / 41			.9	.5	.5	.4													13	19	2														
40 / 39		.2	1.2	.2	.4														11	15	8														
38 / 37		.5	1.2	1.9	1.4														29	36	13	3													
36 / 35	.2	.5	1.2	1.4	.4														21	26	18														
34 / 33	.2	1.4	1.9	1.8															29	34	27	9													
32 / 31	.2	.4	1.4	1.4	.4														46	57	46	19													
30 / 29	.5	3.9	.9	.9															35	35	46	24													
28 / 27	3.	.4	2.3	.9															59	61	53	53													
26 / 25	.5	3.5	1.4	.4															33	40	36	27													
24 / 23	1.1	3.5	1.9	.4															39	48	48	34													
22 / 21	3.7	3.2	1.1																41	48	44	36													
20 / 19	2.3	2.1	1.4																33	39	44	51													
18 / 17	2.6	1.9																	26	38	38	52													
16 / 15	2.1	1.1	.5																21	27	29	44													
14 / 13	.7	2.1	.4																18	25	17	35													
12 / 11	1.4	1.9	.5																22	31	20	31													
10 / 9	1.2	1.9																	22	23	27	39													
8 / 7	1.2	.2																	8	16	13	25													
6 / 5	.5	.2																	4	9	5	19													
4 / 3	.4	.2																	3	6	2	8													
2 / 1	1.6	.4																	11	16	10	12													
0 / -1	2.5																		14	22	16	15													
-2 / -3	.4																		2	3	2	8													
-4 / -5	.5																		3	5	3	13													
-6 / -7																						6													
-8 / -9																						3													
-10 / -11																						1													
-12 / -13																						1													
-14 / -15																						1													
TOTAL	27.5	36.8	18.7	11.6	3.7	1.6	.2	.4	.2										568	708		568													
Element (X)	Σx'		Σx		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ												
Rel. Hum.	3291177		42025		74.0		17.908		568		50 F		32 F		67 F		73 F		80 F		93 F		Total												
Dry Bulb	493487		16789		23.7		1.729		708		3.9		72.1										93												
Wet Bulb	335795		12659		22.3		9.729		568		3.4		81.2										93												
Dew Point	210558		9392		16.5		9.872		568		7.7		91.0										93												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 142710 STATION NAME SONDESTROM GL YEARS 74-87 MONTH OCT
PAGE 1 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
61 / 59									.5										3	3															
56 / 47				.2															1	1															
48 / 47				.5	.2														4	4															
45 / 45			.4	.5		.9													10	10	1														
44 / 43			.2	.5	.4	.5													9	17	5														
42 / 41				1.3	.4	.2													17	14	4														
40 / 39			.7	.5	.5														10	14	5														
38 / 37	.2	.2	.4	.4	.7														14	18	5	3													
36 / 35	.2	.9	1.3	1.3	.4														22	24	24	5													
34 / 33	.4	2.1	2.1	1.1															30	33	20	6													
32 / 31	.9	3.8	1.8	2.7	.2														48	68	41	22													
30 / 29	5.1	2.7	2.0	1.4															41	42	51	29													
28 / 27	2.3	3.6	1.6	.9															47	48	38	33													
26 / 25	1.3	3.9	1.1	.2															76	42	50	30													
24 / 23	.9	2.9	1.4	.4															31	39	44	37													
22 / 21	3.6	3.1	1.1																43	52	40	38													
20 / 19	2.7	2.5	1.4																33	38	40	55													
18 / 17	3.2	2.7	.4																35	41	42	46													
16 / 15	3.2	1.3	.4																21	30	27	37													
14 / 13	1.1	2.0	.2																18	29	16	44													
12 / 11	2.0	1.8	.2																22	24	24	33													
10 / 9	1.4	.7																	12	22	15	36													
8 / 7	1.3	.7																	11	17	13	17													
6 / 5	.9																		5	9	7	22													
4 / 3	.7																		4	12	4	7													
2 / 1	1.6	.2																	10	11	14	12													
0 / -1	2.9																		16	23	14	22													
-2 / -3	1.4																		8	17	8	10													
-4 / -5	.5																		3	7	3	4													
-6 / -7																						13													
-8 / -9																						2													
-10 / -13																						1													
TOTAL	32.9	34.8	16.3	11.1	2.7	1.6			.5										557	693	557	557													
Element (X)	Σg'			Σg			Σ			Σ _g			No. Obs.			Mean No. of Hours with Temperature										Total									
Rel. Hum.	3350661			42033			75.5			17.2			557			5.4										93									
Dry Bulb	463761			15903			22.9			11.050			693			7.2										93									
Wet Bulb	319876			12134			21.8			9.995			557			8.5										93									
Dew Point	204687			9119			16.4			9.981			557			8.7										93									

FORM 0-26-5 (OL A)
AS 34
USAFETAC

PSYCHROMETRIC SUMMARY

081

YEARS

ALL
HOURS (C. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

OCT
MONTH

PAGE 7

ALL
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
-4/-5																		19	29	19	64		
-6/-7																		9	12	7	54		
-8/-9																					32		
-10/-11																					12		
-12/-13																					4		
-14/-15																					7		
-16/-17																					3		
TOTAL	37.3	35.2	18.7	9.1	3.2	1.8	.6	.7	.2									4520	5663	4523			

Element (X)	Σ x'	Σ x	Σ	Σ _n	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	26284375	334893	74.118	.46	452	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	1908885	132255	23.412	.27	566	37.6	587.7					744
Wet Bulb	2660737	99596	22.015	.157	452	30.5	633.2					744
Dew Point	1671177	73632	16.310	.217	4520	69.6	722.9					744

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 4271 SONDERSTROM CL STATION NAME 74-87 YEARS NOV MONTH

PAGE 1 0000-0240

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
57 / 44																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

USAFETAC FORM 0-26-3 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

74-82

YEARS

NOV
MONTH

PAGE 2 0000-2200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
71/-01	.6																	3	7	3	4				
72/-20	.2																	1	5	1	8				
73/-25	1.0																	5	6	5	5				
74/-27	.4																	2	5	2	5				
75/-20	.0																	1	3	1	1				
76/-31																					3				
77/-33																					2				
78/-39																					6				
TOTAL	52.5	31.0	10.1	5.0	1.4													497	704	497	497				
																						</			

PSYCHROMETRIC SUMMARY

14222 SONDES TROM GL
STAT 20 STATION NAME

74-87

~~NOI~~

PAGE 1 ~~0300-0503~~

[illegible]

PSYCHROMETRIC SUMMARY

74-82

NOV

STAT:20

STATION NAME

YEARS

MONTH

PAGE 7

0370-0520
MORRIS (L. S. J.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

042311 SONDRESTROM GL STATION NAME

74-82

YEARS

NOV
MONTH

PAGE 1 0600-0800
LOCAL (L.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point															
46/ 47					.6													3	3																
46/ 45					.6													3	3																
44/ 43					.6													3	3																
42/ 41			.2			.6												4	4																
40/ 39		.2		.2														2	2																
38/ 37			.8	.6														7	9																
36/ 35		.4	.4	.8														8	8																
34/ 33		.2	.4	.8														7	7																
32/ 31		.8	.2	1.2														11	12																
30/ 29	.4	.6	.6															8	8																
28/ 27	.8	3.1	1.8															28	33																
26/ 25	.6	1.2	.6															12	14																
24/ 23	.4	1.6	2.9															24	29																
22/ 21	.8	1.8	.2															14	17																
20/ 19	1.4	2.9	.6															24	25																
18/ 17	1.4	2.5	.4															19	26																
16/ 15	1.6	2.3	.6															22	26																
14/ 13	1.6	2.7	.4															23	30																
12/ 11	3.1	2.7																28	38																
10/ 9	4.5	2.7																35	60																
8/ 7	2.7	1.4																20	34																
6/ 5	3.3	1.2																21	43																
4/ 3	3.9	.2																20	27																
2/ 1	2.1	1.2																16	29																
0/ -1	3.0	.8																23	37																
-2/ -3	1.4	1.0																12	24																
-4/ -5	2.5	1.0																17	27																
-6/ -7	1.6																	8	15																
-8/ -9	1.5																	9	12																
-10/ -11	2.5																	12	17																
-12/ -13	1.6																	8	11																
-14/ -15	1.2																	6	9																
-16/ -17	.8																	4	6																
-18/ -19	1.8																	9	16																
Element (X)	ΣH^2		ΣH		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature																						
Rel. Hum.													$\leq 0 F$		$\leq 32 F$		$\geq 67 F$		$\geq 73 F$		$\geq 80 F$		$\geq 93 F$								Total				
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

FORM 0-26-5 (OLA) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

NOV

YEARS

8630-0830

HOURS (L, S, T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
1/-21	.2																		4	6	4	13														
2/-23	1.0																		5	17	5	6														
3/-25	1.0																		5	6	5	1														
4/-27	.2																		1	3	1	6														
5/-29	.2																		1	2	1	3														
6/-31	.2																		1	3	1	3														
7/-33																						3														
8/-35																						1														
9/-37																						6														
TOTAL	51.1	32.4	11.3	4.9	1.2														487	691	487	487														

PSYCHROMETRIC SUMMARY

74-82

YEARS

~~NOV~~
~~1971~~

PAGE 1

~~000-160~~
~~160-160~~

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL																						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																																		
52/ 51																		1	1																																				
52/ 49																		1	1																																				
48/ 47																		1	1																																				
46/ 45					.6	.2												4	4																																				
44/ 43				.4														2	2																																				
42/ 41						.6												3	3	2																																			
41/ 39		.4	.2	.2	.4													6	6	5																																			
38/ 37	.2	.9	1.1	.6	.2													16	16	5																																			
37/ 35			.6	.7														4	4	6	2																																		
34/ 33		.4	.6	.2														6	6	13	2																																		
32/ 31		.9	.2	.4														8	8	14	7																																		
31/ 29	.6	.9	.3	.6														15	16	8	14																																		
28/ 27	.4	1.7	1.5															19	19	12	9																																		
26/ 25	.4	.9	2.1															18	18	16	13																																		
24/ 23	1.7	3.2	2.7															39	45	27	15																																		
22/ 21	.6	2.7	.6															20	22	26	15																																		
21/ 19	2.5	2.3	.4															27	28	39	15																																		
20/ 17	.6	2.3	.6															18	19	21	23																																		
16/ 15	3.2	1.7	.8															30	34	34	23																																		
14/ 13	1.7	2.3																21	24	22	39																																		
12/ 11	2.7	1.5	.2															23	32	27	29																																		
11/ 10	5.3	4.2																49	73	45	41																																		
9/ 7	2.3	.9																17	28	23	34																																		
6/ 5	2.3	.9																17	33	17	32																																		
4/ 3	1.9	.6																13	20	14	18																																		
2/ 1	2.5	.9																18	24	17	21																																		
1/ -1	4.2	.6																25	37	27	27																																		
-2/ -3	3.3	.4																22	42	24	12																																		
-4/ -5	1.7	1.7																16	23	13	26																																		
-6/ -7	1.3																	7	14	10	11																																		
-8/ -9	2.7																	14	17	14	14																																		
-10/ -11	.3																	4	12	4	9																																		
-12/ -13	2.3																	12	17	12	8																																		
-14/ -15	.8																	4	6	4	8																																		
Element (X)	Σ H ¹					Σ H					Σ					No. Obs.					Mean No. of Hours with Temperature																																		
Rel. Hum.																					≤ 6 F					≤ 32 F					≥ 67 F					≥ 73 F					≥ 80 F					≥ 93 F					Total				
Dry Bulb																																																							
Wet Bulb																																																							
Dew Point																																																							

PSYCHROMETRIC SUMMARY

Y7A21

NOV
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																										TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point										
14/-17	.9																	5	17	5	11									
17/-19	.8																	4	9	4	17									
17/-21	.9																	4	6	4	6									
22/-23	1.5																	8	13	8	9									
24/-25	.9																	4	5	4	3									
26/-27	.2																	1	3	1	2									
26/-29																			1		4									
27/-31																			1		2									
27/-33	.2																	1	1	1	1									
34/-35																					4									
36/-37																					4									
38/-39																					1									
TOTAL	51.2	31	7	12.1	3.0	1.5	.4											527	794	527	517									

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL							
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
1/-1	.2																																	1	3	1	8			
2/-23	.1																																11	14	11	9				
4/-25	.9																																5	9	5	3				
6/-27	.4																																2	4	2	1				
8/-29																																			1		5			
1/-31																																					2			
3/-35																																					2			
5/-37																																					2			
7/-39																																					4			
9/-41																																					1			
TOTAL	51	53	31	39	34	13	.6																											531	695	531	531			

PSYCHROMETRIC SUMMARY

242210
STAT 20

SONDRESTROM GL

74-AC

YEARS

NO.
MONTH

PAGE 1

~~1800-2055~~
~~HOURS 10-5-5~~

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: SONORESTROM GL

74-82

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 0

1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point																
1/-1	.6																																			
2/-2	1.																																			
3/-3	.8																																			
4/-4	.4																																			
5/-5	.2																																			
6/-6	.2																																			
7/-7																																				
8/-8																																				
9/-9																																				
10/-10																																				
11/-11																																				
12/-12																																				
13/-13																																				
14/-14																																				
15/-15																																				
16/-16																																				
17/-17																																				
18/-18																																				
19/-19																																				
20/-20																																				
21/-21																																				
22/-22																																				
23/-23																																				
24/-24																																				
25/-25																																				
26/-26																																				
27/-27																																				
28/-28																																				
29/-29																																				
30/-30																																				
31/-31																																				
TOTAL	53.529	611.1	3.8	2.																																

Element (X)	Z _g	Z _h	I	° _s	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3037496	38229	76.1	16.247	503	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	
Dry Bulb	215471	5783	8.4	15.577	690	29.2	85.3					90
Wet Bulb	159044	5010	10.0	14.745	503	25.2	86.4					90
Dew Point	128495	2231	9.4	15.371	503	32.2	89.5					90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION SONDRESTROM GL STATION NAME

74-37

YEARS

NOV
MONTH

PAGE 1 2100-2100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-	20	21-22	23-24	25-26	27-28	29-30	+31	Dry Bulb	Wet Bulb	Dew Point	
44/40																		2	2		
44/43				.6	.6													6	6		
47/41																		4	4		
47/39				.5	.4	.6												9	9	5	
50/37		.2	.2	1.0	.2	.2												9	9	6	3
50/35		.2	.4	.4	.6	.2												9	10	7	3
50/33			.4	1.2	1.0	.2												14	15	10	2
52/31		.2	.6	.6	1.2													12	15	15	4
57/29		.2	.6	.6	.6													10	11	12	9
57/27			.4	1.4	1.4													16	17	13	13
56/25		.2	.8	1.4														12	12	16	6
54/23		1.8	2.2	3.1														35	41	27	9
52/21		.4	2.0	.2														13	15	19	14
57/19		1.2	2.6															19	23	30	18
57/17		1.8	1.6	.6														20	25	22	21
56/15		2.2	2.2															24	30	23	21
50/13		2.4	3.1	.2														28	37	29	48
50/11		3.1	.2															17	23	25	37
57/9		3.7	.8	.6														25	47	19	33
57/7		2.2	2.2	.2														23	38	20	24
57/5		2.4	1.0															17	43	25	16
47/3		2.6	1.2															19	37	15	14
57/1		2.2	1.0															16	26	18	11
57/-1		2.3																26	41	29	35
-7/-3		2.4	.2															13	22	13	7
-47/-5		1.8	1.3															14	22	11	10
-87/-7		2.4																12	16	15	17
-17/-9		2.2																10	12	11	15
-7/-11		1.2																6	8	6	12
-17/-13		2.2																10	18	11	13
-147/-15		1.4																7	15	7	10
-167/-17		1.6																8	11	8	5
-107/-19		1.4																7	12	7	15
-77/-21		1.2																6	13	6	5
Element (X)	Σ g'		Σ g		Σ	Σ	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total					
Rel. Hum.										≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F						
Dry Bulb																					
Wet Bulb																					
Dew Point																					

FORM 0-26-5 (OL A) REVED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

74-87

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 2 2100-23.0
MAY 1968 (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
27/-23	.1																	4	7	4	13	
24/-25	1.																	5	6	5	6	
26/-27	.6																	3	5	3	6	
20/-29	.2																	1	2	1	4	
7/-31																			1		2	
22/-33																					1	
34/-35																					2	
25/-39																					5	
TOTAL	54.2	26.1	13.5	4.7	1.4	.6												421	697	401	491	

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						$\leq 0^\circ F$	$\leq 32^\circ F$	$\leq 67^\circ F$	$\leq 73^\circ F$	$\leq 80^\circ F$	$\leq 93^\circ F$	Total
Rel. Hum.	2954539	37237	75.816	.603	491							
Dry Bulb	228846	6728	8.615	.934	697	27.7	82.9					90
Wet Bulb	162474	4952	10.115	.154	491	24.7	84.9					90
Dew Point	130954	2216	4.515	.711	491	33.9	88.5					90

PSYCHROMETRIC SUMMARY

~~NO~~

HOURS (C.S.T.)

[illegible]

PSYCHROMETRIC SUMMARY

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 42710 SONDESTROM GL STATION NAME YEARS 74-82 MONTH DEC
PAGE 1 0000-0200
NOV 11 C. E. Y.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point				
46/ 45																		1	1					
42/ 41					.2	.6												4	11					
40/ 39				1.4														7	9					
38/ 37				.4	.6													5	7					
36/ 35			.6	1.6														11	13	3				
34/ 33		.4	.6	2.0														16	18	9				
32/ 31		.4	.4	.8														8	9	12				
30/ 29		.6	1.4	.2														11	12	20	1			
28/ 27	.2	1.8	1.4															17	18	11	7			
26/ 25	.4	1.0	.3															11	15	20	8			
24/ 23	.2	1.4	.6															11	21	16	8			
22/ 21	.4	1.6	.4															12	13	11	14			
20/ 19	.8	.6	.2															8	15	15	26			
18/ 17	.8	2.2	.2															16	19	13	15			
16/ 15	1.4	2.4																19	25	23	13			
14/ 13	.8	2.4																16	24	16	23			
12/ 11	1.6	3.2	.2															25	33	26	23			
10/ 9	3.2	3.0	.4															33	50	29	32			
8/ 7	2.0	.8																14	22	19	18			
6/ 5	2.0	1.6																18	23	15	14			
4/ 3	1.6	2.0																18	26	13	17			
2/ 1	2.4	.2																13	21	22	11			
0/ -1	3.0																	15	32	16	21			
-2/ -3	2.4																	17	29	17	10			
-4/ -5	1.6	.2																19	27	18	22			
-6/ -7	2.4																	12	17	13	12			
-8/ -9	1.6																	8	15	8	15			
-10/ -11	3.2																	16	21	16	11			
-12/ -13	1.6																	9	16	9	15			
-14/ -15	2.2																	11	17	11	18			
-16/ -17	3.2																	16	23	16	10			
-18/ -19	2.4																	10	14	10	19			
-20/ -21	2.4																	12	21	12	4			
-22/ -23	3.2																	16	23	14	6			
Element (X)	Σ H ²		Σ H		Σ	Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ				
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM 12-64 0-26-5 (OL A) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

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YEARS

DEC
MONTH

(

USAFETAC 0-265 (OLA) FORM 10-64
STANDARD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEAR

DEC
MONTH

PAGE 1 ~~0300-0500~~
~~00000000~~

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

042310 SONDRESTROM GL

74-83

STATION	STATION NAME	YEARS												
HRS (LST)														
	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
10	MEAN S D TOTAL OBS	29.539 .399 217	29.441 .424 199	29.566 .406 218	29.717 .330 214	29.733 .254 205	29.641 .198 210	29.616 .192 218	29.615 .197 224	29.588 .239 216	29.587 .298 222	29.497 .355 224	29.524 .415 228	29.588 .333 2585
11	MEAN S D TOTAL OBS	29.538 .411 217	29.421 .432 197	29.556 .419 215	29.725 .340 217	29.738 .253 204	29.643 .202 207	29.620 .197 216	29.612 .204 215	29.581 .241 218	29.570 .302 221	29.487 .352 220	29.518 .421 230	29.584 .337 2577
16	MEAN S D TOTAL OBS	29.538 .404 218	29.404 .425 195	29.543 .421 210	29.738 .341 217	29.753 .260 209	29.661 .206 209	29.627 .202 221	29.613 .208 221	29.590 .230 211	29.587 .303 217	29.480 .360 210	29.526 .418 214	29.590 .338 2552
19	MEAN S D TOTAL OBS	29.546 .407 228	29.440 .416 202	29.561 .424 218	29.730 .331 217	29.740 .258 213	29.638 .195 203	29.617 .212 207	29.610 .206 223	29.603 .231 210	29.590 .302 224	29.482 .353 223	29.523 .404 219	29.590 .334 2587
12	MEAN S D TOTAL OBS	29.548 .388 218	29.437 .421 196	29.555 .412 220	29.731 .337 217	29.727 .251 212	29.624 .192 209	29.604 .207 213	29.597 .202 226	29.578 .235 217	29.572 .308 224	29.495 .353 212	29.538 .415 219	29.585 .330 2583
15	MEAN S D TOTAL OBS	29.553 .396 217	29.429 .411 198	29.540 .410 210	29.722 .335 225	29.714 .262 205	29.602 .201 194	29.593 .209 202	29.569 .201 216	29.571 .233 202	29.563 .309 227	29.472 .360 223	29.531 .420 216	29.572 .334 2535
18	MEAN S D TOTAL OBS	29.531 .401 226	29.435 .420 197	29.557 .410 211	29.720 .325 210	29.713 .257 207	29.613 .200 216	29.597 .200 224	29.580 .197 226	29.562 .240 228	29.580 .300 212	29.493 .360 209	29.544 .420 214	29.577 .329 2587
21	MEAN S D TOTAL OBS	29.547 .399 214	29.437 .439 197	29.566 .402 211	29.728 .329 215	29.722 .255 202	29.625 .201 198	29.608 .193 207	29.601 .199 216	29.594 .236 200	29.583 .303 213	29.486 .355 213	29.538 .417 212	29.584 .333 2894
ALL HOURS	MEAN S D TOTAL OBS	29.543 .399 1755	29.431 .423 1581	29.556 .412 1713	29.726 .333 1732	29.730 .256 1657	29.631 .200 1636	29.610 .201 1708	29.600 .202 1767	29.583 .236 1702	29.579 .303 1760	29.486 .355 1738	29.530 .416 1752	29.584 .333 20897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

142311 SONDRESTROM GL

74-82

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

C600-0846

FORM 10-1-77

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
44/ 43				.4	.2	.2												4	6						
42/ 41				.6	.2	.6												7	9						
40/ 39		.2	.6	1.0	.2													10	11						
38/ 37			.2	1.0														9	11	7					
36/ 35		.2	.8	1.2	.2													10	12	4					
34/ 33			.8	1.2														11	13	15	1				
32/ 31		1.2	.2	.6														10	17	14	1				
30/ 29			.8	1.6	.6													15	16	16	9				
28/ 27		1.8	1.0															14	17	10	17				
26/ 25			.8	.3														6	8	19	8				
24/ 23	.2	.2	.4															4	9	8	12				
22/ 21	.6	1.6	.6															15	18	9	10				
20/ 19	.6	2.6	.8															20	23	13	19				
18/ 17	.4	1.2																8	11	23	14				
16/ 15	1.0	2.0																15	27	18	12				
14/ 13	1.0	3.0																24	26	24	20				
12/ 11	1.0	1.6																13	27	10	19				
10/ 9	3.2	2.2																27	39	23	26				
8/ 7	1.6	1.4	.4															17	22	13	28				
6/ 5	3.2	1.2																21	27	23	26				
4/ 3	2.2	.6																14	23	17	16				
2/ 1	2.2	.2																11	16	13	20				
0/ -1	4.0																	25	47	26	22				
-2/ -3	3.2																	15	31	15	15				
-4/ -5	4.3	1.0																27	37	24	15				
-6/ -7	3.2																	16	27	19	19				
-8/ -9	1.8																	9	11	9	13				
-10/-11	1.6																	9	12	9	13				
-12/-13	2.2																	11	16	11	14				
-14/-15	3.2																	16	27	16	11				
-16/-17	2.4																	12	21	12	12				
-18/-19	1.8																	9	22	9	14				
-20/-21	1.2																	6	11	6	10				
-22/-23	2.8																	18	20	18	12				
Element (X)	Σ X'	Σ X	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature							Total												
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F														
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 10-1-77 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

74-82

DEC

STATION

STATION NAME

YEARS

MONTH

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0600-0800
HOURS (L. S. T.)

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PSYCHROMETRIC SUMMARY

14731
STATION

SONDRESTROM GL

74-87

DEC

YEARS

MONTH

PAGE 2

2970-1100

1948 (1-5-7)

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PSYCHROMETRIC SUMMARY

" 4.231 " SONORESTROM GL

74-82

DEC

STAT 120

STATION NAME

YEARS

MONTH

PAGE 2

1520-1720
NOV 28 (L. S. T.)

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PSYCHROMETRIC SUMMARY

74-82

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PAGE 1 ~~1870-2500~~
~~1870-2500~~

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point															
44/ 43				.4														2	7																
42/ 41				.2	.2	.4												4	9																
41/ 39				.2	.2	.6												6	9																
38/ 37				.4	1.7													11	13	3															
36/ 35				.2	1.7	.2												11	12	2															
34/ 33		.2		.2	1.1													10	13	9															
32/ 31			1.1	.4														13	14	17															
29/ 29			.4	1.3	.4													13	14	20															
28/ 27	.4	1.5	1.3	.4														19	21	19															
26/ 25		1.5	.6															11	13	13															
24/ 23	.2	1.7																6	9	15															
22/ 21	1.1	.3																10	12	16															
20/ 19	1.1	1.3	.2															13	14	9															
18/ 17	1.1	1.2																11	15	14															
16/ 15	.4	1.1																8	12	9															
14/ 13	.4	2.3	.2															17	25	14															
12/ 11	2.2	1.5	.4															25	28	27															
11/ 9	5.9	2.7																45	51	41															
10/ 7	1.5	1.7																13	19	15															
10/ 5	2.1	1.9																21	33	17															
9/ 3	1.1	1.1																12	17	15															
2/ 1	2.9	.4																17	31	21															
1/ -1	6.7																	35	52	37															
-2/ -3	3.1	.2																17	25	17															
-4/ -5	1.9	1.7																15	20	12															
-6/ -7	2.5																	13	19	14															
-8/ -9	1.3																	7	13	7															
-10/-11	2.7																	14	23	14															
-12/-13	2.7																	14	17	14															
-14/-15	1.7																	9	14	9															
-16/-17	1.5																	8	17	8															
-18/-19	1.9																	10	19	10															
-20/-21	1.7																	9	12	9															
-22/-23	.4																	21	26	21															
Element (K)	$\Sigma H'$	ΣH	Σ	σ_s	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

SONCRESTRON GL

74-87

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1820-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
-24/-25	1.0																	5	17	5	8		
-26/-27	1.9																	10	10	10	8		
-28/-29	1.1																	6	9	6	12		
-30/-31	1.0																	8	11	8	6		
-32/-33	1.3																	7	9	7	4		
-34/-35	1.1																	6	7	6	8		
-36/-37	.6																	3	3	3	5		
-38/-39	.6																	3	3	3	8		
-40/-41	.2																	1	6	1	12		
-42/-43	.2																	1	1	1	16		
-44/-45	.2																	1	1	1	5		
-46/-47																					1		
-48/-49																					1		
TOTAL	62.9	21.2	7.8	6.9	1.1													523	716	523	93		

Element (X)	$\Sigma H'$	ΣH	\bar{H}	σ_H	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3,26771	38727	74.717	459	523	≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	284298	1822	2,519.777		716	42.9	85.5					93
Wet Bulb	189058	1632	3,118.773		523	47.0	90.5					93
Dew Point	200999	-1533	-2,819.802		523	48.0	93.0					93

PSYCHROMETRIC SUMMARY

42312 SONDRESTROM GL
STATION STATION NAME

74-82

YEARS

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PAGE 1 ~~2100-2300~~

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74-82

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 2

2100-2300
HOURS (L. S. T.)

USAFETAC FORM 0-26-S (OLA) BY VARIOUS EDITIONS OF THIS FORM ARE OBSOLETE
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PSYCHROMETRIC SUMMARY

74-82

YEARS

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PAGE 1

HOURS (L, S, T.)

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PSYCHROMETRIC SUMMARY

4231 -
STAT-20

SONDRESTROP GL

74-87

DEC
MONTH

PAGE 2

ALL
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
-2/-22	2.7																	120	164	120	76		
-24/-25	1.8																	73	104	73	55		
-26/-27	2.0																	84	107	84	59		
-28/-29	1.3																	55	79	55	67		
-31/-31	1.1																	46	55	46	63		
-32/-33	1.0																	79	93	79	51		
-34/-35	.9																	36	42	36	43		
-36/-37	.5																	19	23	19	42		
-38/-39	.4																	18	21	18	82		
-41/-41	.3																	19	33	19	110		
-42/-43	.1																	4	13	4	74		
-44/-45	.2																	7	7	7	50		
-46/-47																					20		
-48/-49																					6		
-50/-51																					14		
TOTAL	61.3	22.7	8.4	6.2	1.2	.2												4163	57.8	4163			

Element (R)	Σ R'	Σ R	R	R _s	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	23582647	395109	73.3	17.128	4163	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	2296797	16848	2.9	19.738	5788	393.7	682.9					744
Wet Bulb	1512451	12257	2.9	18.834	4163	322.2	717.2					744
Dew Point	1628451	-13579	-3.3	19.510	4163	387.8	742.9					744

PSYCHROMETRIC SUMMARY

YEARS



PAGE 1

ALL
HOURS (C.S.T.)

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 142311 SONDRESTROM GL STATION NAME 74-83 YEARS ALL MONTH ALL

PAGE 1 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point							
1/-	1.3	.7																1000	1693	1037	1252						
2/-	1.1	.4																778	1291	832	928						
3/-	1.3	.2																773	1241	874	927						
4/-	2.3	.1																1242	2055	1334	1435						
5/-	1.3	.2																736	1198	754	807						
6/-	1.5	.3																903	1444	832	974						
7/-	1.4																	701	1047	774	769						
8/-	1.1																	573	916	573	757						
9/-	1.0																	539	867	539	595						
10/-	1.0																	499	797	499	598						
11/-	.9																	463	763	463	565						
12/-	.8																	401	633	401	520						
13/-	1.1																	565	939	565	708						
14/-	.7																	355	571	355	456						
15/-	.8																	428	622	428	521						
16/-	.6																	308	444	308	337						
17/-	.5																	274	399	274	346						
18/-	.5																	238	329	238	292						
19/-	.5																	249	314	249	239						
20/-	.4																	229	280	229	259						
21/-	.3																	163	198	163	256						
22/-	.3																	132	165	132	291						
23/-	.1																	62	81	62	244						
24/-	.1																	42	64	42	242						
25/-	.1																	19	26	19	144						
26/-	.																	12	12	12	72						
27/-	.																	6	6	6	33						
28/-	.1																	8	8	8	10						
29/-																					20						
30/-																					4						
TOTAL	36.2	25.5	16.8	11.2	7.1	4.6	2.7	1.3	.5	.1	.0							51334	66500		51334						
Element (X)	Σx'		Σx		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		
Ref. Num.	27-113973		36-19133		70-317-856		51334		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F		Total						
Dry Bulb	73667311		1524125		22-924-135		66500		1868-25094.9		16.3		.2								8760						
Wet Bulb	48361708		1144708		22-321-092		51334		1776-25484.7												8760						
Dew Point	34874551		820505		16-020-589		51334		2191-76805.8												8760						

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

042310 SONDRESTROM GL

74-83

STATION		STATION NAME				YEARS									
MRS (LST)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
-02	MEAN	-1.0	-3.5	-4	14.8	31.9	42.1	46.1	42.8	35.0	22.3	8.6	3.1	20.3	
	S D	19.154	17.653	15.742	14.470	7.783	5.444	3.926	4.029	7.020	11.815	15.421	19.503	22.315	
	TOTAL OBS	724	638	674	673	679	689	721	713	675	698	704	731	8319	
3-05	MEAN	-1.1	-3.3	-1.2	13.8	30.9	40.7	44.5	41.2	33.9	21.8	8.9	2.7	19.5	
	S D	19.176	17.903	16.057	15.011	7.909	5.159	3.790	4.287	7.229	11.744	15.444	19.814	21.947	
	TOTAL OBS	711	629	660	654	681	682	697	706	681	694	700	727	8222	
6-08	MEAN	-1.1	-3.8	-1.5	14.8	33.3	44.1	47.9	43.4	34.1	21.5	8.4	3.0	20.7	
	S D	19.601	18.203	16.784	15.132	8.561	5.869	4.347	4.837	7.428	11.807	15.326	19.952	23.070	
	TOTAL OBS	709	636	671	661	676	691	728	718	692	711	691	713	8297	
9-11	MEAN	-1.3	-2.9	.5	18.9	37.5	48.4	53.5	49.2	38.4	23.1	8.9	3.7	23.2	
	S D	19.835	17.563	16.562	15.094	9.343	6.806	5.522	5.618	7.422	12.023	15.436	19.775	24.696	
	TOTAL OBS	727	637	685	667	684	682	715	714	681	718	704	730	8344	
12-14	MEAN	-1.1	-1.1	4.8	22.6	40.7	52.0	57.3	53.6	42.4	25.9	9.2	3.4	26.4	
	S D	19.954	16.656	15.904	13.961	9.785	7.103	6.009	6.346	7.457	12.122	15.656	19.934	25.492	
	TOTAL OBS	717	632	691	671	675	693	742	731	696	723	695	723	8389	
15-17	MEAN	-1.6	-1.2	5.9	23.4	41.7	52.9	58.1	54.3	43.2	25.7	8.7	2.6	26.3	
	S D	20.232	16.475	15.143	13.445	10.079	7.187	6.184	6.598	7.471	12.261	15.510	19.591	25.787	
	TOTAL OBS	709	641	689	671	669	669	716	714	685	715	688	715	8282	
18-20	MEAN	-1.0	-2.2	3.0	21.2	39.6	50.7	55.5	51.0	39.7	23.7	8.4	2.5	24.7	
	S D	20.093	17.096	14.719	13.412	9.075	6.894	5.623	5.685	7.287	11.729	15.570	19.777	25.024	
	TOTAL OBS	732	626	667	662	687	690	721	728	694	708	690	716	8321	
21-23	MEAN	-1.2	-2.5	1.4	18.2	35.8	46.6	50.6	46.2	36.8	22.9	8.6	3.0	22.5	
	S D	19.273	17.441	15.153	13.761	8.088	6.044	4.358	4.424	6.899	11.950	15.930	19.473	23.392	
	TOTAL OBS	716	635	685	675	679	687	733	709	685	693	697	733	8327	
ALL HOURS	MEAN	-1.8	-2.6	1.6	18.5	36.4	47.2	51.7	47.7	38.0	23.4	8.7	2.9	22.9	
	S D	19.658	17.370	15.958	14.707	9.649	7.670	6.987	7.115	8.031	12.027	15.530	19.708	24.135	
	TOTAL OBS	5745	5074	5422	5334	5430	5483	5773	5733	5489	5660	5569	5788	66500	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

142310 SONDRESTROM GL

74-83

STATION		STATION NAME												YEARS	
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
0-02	MEAN	-2.1	-3.1	-.1	15.7	29.1	37.6	41.8	39.0	32.1	21.3	9.9	2.7	20.5	
	S D	19.831	17.468	15.901	12.648	6.263	4.719	2.894	3.189	6.276	17.030	14.552	18.774	20.086	
	TOTAL OBS	472	391	398	493	569	553	587	603	556	551	497	577	6177	
03-05	MEAN	-2.5	-3.2	-.3	14.8	28.3	36.7	40.9	38.0	31.2	20.8	10.2	2.9	19.8	
	S D	19.971	17.785	16.068	12.977	6.337	4.498	2.863	3.480	6.435	10.184	14.556	18.879	19.877	
	TOTAL OBS	467	390	402	484	560	550	563	593	561	555	499	510	6139	
06-08	MEAN	-2.5	-3.7	-.8	15.4	30.2	38.9	43.1	39.7	31.3	20.7	9.6	3.2	20.9	
	S D	20.416	18.099	16.879	13.165	6.672	4.688	2.812	3.595	6.617	10.250	14.532	18.964	20.634	
	TOTAL OBS	463	391	404	501	578	572	612	611	572	558	487	577	6254	
09-11	MEAN	-2.8	-4.0	.8	18.4	33.4	41.7	46.6	43.2	34.4	21.6	10.6	2.7	22.2	
	S D	19.773	17.621	16.280	13.036	6.817	4.920	3.287	3.582	6.274	10.439	14.376	18.840	21.744	
	TOTAL OBS	512	435	487	577	616	622	633	610	554	574	527	541	6668	
12-14	MEAN	-2.2	-1.8	5.0	21.2	35.5	43.7	48.7	45.5	37.1	23.8	10.8	3.2	24.3	
	S D	19.865	16.315	15.157	11.677	6.947	4.988	3.496	3.737	5.858	10.125	14.512	18.919	21.781	
	TOTAL OBS	510	440	513	596	605	614	656	625	576	580	531	538	6784	
15-17	MEAN	-2.1	-1.9	5.9	22.0	36.1	44.3	49.0	45.9	37.8	23.8	10.3	2.6	24.4	
	S D	20.071	16.218	14.304	11.132	6.961	4.947	3.511	3.743	5.575	10.030	14.485	18.748	21.934	
	TOTAL OBS	514	442	519	588	609	590	642	616	560	577	515	540	6712	
18-20	MEAN	-2.7	-2.3	4.1	20.3	34.5	43.1	47.2	44.0	35.5	22.3	10.0	3.1	23.5	
	S D	20.337	16.523	14.217	11.240	6.677	4.839	3.257	3.363	5.933	9.729	14.745	18.773	21.322	
	TOTAL OBS	491	398	431	542	596	562	592	620	569	568	503	523	6395	
21-23	MEAN	-1.0	-2.3	2.2	18.7	31.9	40.7	44.6	41.3	33.6	21.8	10.1	3.1	22.4	
	S D	19.538	17.580	15.259	11.887	6.428	4.703	2.964	3.241	6.048	9.995	15.154	18.897	20.543	
	TOTAL OBS	468	384	416	519	572	553	597	605	561	557	491	497	6210	
ALL HOURS	MEAN	-2.2	-2.8	2.3	18.5	32.5	40.9	45.3	42.1	34.1	22.0	10.2	2.9	22.3	
	S D	19.949	17.171	15.670	12.471	7.193	5.481	4.284	4.495	6.579	10.157	14.604	18.834	21.092	
	TOTAL OBS	3897	3271	3570	4290	4705	4596	4882	4883	4507	4520	4050	4163	51334	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

042317 SONDRESTROM GL

74-83

STATION		STATION NAME												YEARS	
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
00-02	MEAN	-8.5	-8.2	-4.2	11.3	24.3	31.6	36.4	34.1	26.8	15.9	4.3	-3.7	15.2	
	S D	21.259	18.372	15.673	12.711	7.112	6.729	4.775	5.146	8.252	10.087	15.194	19.959	20.375	
	TOTAL OBS	472	391	398	493	569	553	587	603	556	551	497	507	6177	
03-05	MEAN	-9.	-8.3	-4.2	10.6	23.6	31.4	36.3	33.7	26.0	15.5	4.7	-3.5	14.8	
	S D	21.440	18.630	15.979	12.825	7.252	6.773	4.776	5.352	8.486	10.506	14.973	20.048	20.352	
	TOTAL OBS	467	390	402	484	560	550	563	593	561	555	499	510	6134	
06-08	MEAN	-9.	-8.8	-4.7	10.9	24.5	31.9	37.4	34.7	25.8	15.5	4.0	-3.1	15.4	
	S D	21.834	19.128	16.508	12.963	7.392	7.111	4.736	5.395	8.812	10.455	15.019	19.934	20.717	
	TOTAL OBS	463	391	404	501	578	572	612	611	570	558	487	577	6254	
09-11	MEAN	-8.9	-8.8	-3.5	12.5	25.8	33.0	38.9	36.0	27.1	15.9	5.1	-3.5	15.7	
	S D	21.025	18.573	15.818	12.703	7.318	6.988	4.751	5.278	8.642	10.577	14.982	19.610	21.044	
	TOTAL OBS	512	435	487	577	616	602	633	610	554	574	527	541	6668	
12-14	MEAN	-8.4	-6.9	-2	14.1	26.7	33.4	39.5	36.3	28.1	17.1	5.0	-3.1	16.7	
	S D	21.026	17.071	14.337	11.482	7.360	6.914	4.755	5.160	8.188	10.120	15.008	19.528	20.602	
	TOTAL OBS	510	440	513	596	605	614	656	625	576	580	531	538	6784	
15-17	MEAN	-8.4	-6.9	.6	14.9	26.9	34.0	39.7	36.5	29.1	17.4	5.0	-3.3	16.9	
	S D	20.969	16.997	13.577	11.126	7.439	6.794	4.791	4.916	7.532	10.006	14.960	19.723	20.643	
	TOTAL OBS	514	442	519	588	609	590	642	616	561	577	515	540	6712	
18-20	MEAN	-8.6	-7.2	-7	14.3	26.5	33.6	38.6	36.0	28.3	16.5	4.4	-2.9	16.6	
	S D	21.469	17.220	13.694	11.388	7.126	6.680	4.746	4.875	7.727	9.872	15.371	19.623	20.493	
	TOTAL OBS	491	398	431	542	596	562	592	624	569	568	503	523	6395	
21-23	MEAN	-7.3	-7.2	-2.2	13.9	25.8	33.0	37.6	35.3	28.0	16.4	4.5	-3.1	16.5	
	S D	20.387	18.765	14.631	12.017	6.999	6.561	4.758	4.936	7.973	9.981	15.711	19.987	20.332	
	TOTAL OBS	468	384	416	509	572	553	597	605	561	557	491	497	6210	
ALL HOURS	MEAN	-8.5	-7.8	-2.2	12.9	25.5	32.8	38.1	35.3	27.4	16.3	4.4	-3.3	16.0	
	S D	21.157	17.980	14.979	12.228	7.337	6.879	4.970	5.226	8.278	10.217	15.142	19.780	20.584	
	TOTAL OBS	3897	3271	3570	4290	4705	4594	4882	4883	4507	4520	4050	4163	51338	

RELATIVE HUMIDITY

JAN
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	99.8	98.3	96.4	84.1	75.0	62.9	41.3	16.9	73.1	472
	03-05	100.0	99.8	98.3	96.4	83.5	75.2	62.3	44.3	15.8	72.7	467
	06-08	100.0	100.0	99.4	97.0	82.5	72.1	62.0	40.0	17.3	72.6	463
	09-11	100.0	100.0	99.0	96.1	85.7	75.4	64.3	46.3	19.5	74.0	512
	12-14	100.0	100.0	99.0	96.1	86.1	73.5	62.5	44.3	17.6	73.3	510
	15-17	100.0	100.0	99.2	96.1	83.5	73.3	60.9	43.6	19.3	73.3	514
	18-20	100.0	100.0	99.2	95.7	81.5	72.3	58.0	39.1	14.9	71.9	491
	21-23	100.0	99.8	98.1	96.4	88.5	72.9	59.8	40.8	16.9	72.9	468
TOTALS		100.0	99.9	98.8	96.3	84.4	73.7	61.6	42.5	17.3	73.0	3897

USAFETAC FORM 0-87-5 (OL A)

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MONTE

STATION NAME

PERIOD

MONTH

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RELATIVE HUMIDITY

002310
UNION

SONDRESTROM GL

76-83

MAR

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	100.0	100.0	96.5	92.2	83.4	63.3	22.9	81.4	398
	03-05	100.0	100.0	100.0	100.0	98.5	93.5	85.3	69.7	24.9	82.2	402
	06-08	100.0	100.0	100.0	100.0	97.8	91.1	84.7	65.6	24.8	81.7	404
	09-11	100.0	100.0	100.0	99.8	98.2	91.8	83.0	59.3	21.4	80.6	487
	12-14	100.0	100.0	100.0	99.8	97.9	88.9	74.5	42.1	10.1	76.5	513
	15-17	100.0	100.0	100.0	100.0	97.9	88.2	73.8	38.9	7.9	76.0	519
	18-20	100.0	100.0	100.0	100.0	98.4	91.4	78.4	48.3	14.8	78.3	431
	21-23	100.0	100.0	100.0	100.0	98.3	91.6	81.7	60.1	16.6	79.9	416
TOTALS		100.0	100.0	100.0	100.0	97.9	91.1	80.6	55.9	17.9	79.6	3570

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FORM
NO. 6-64

0-87-5 (OL A)

RELATIVE HUMIDITY

STATION NAME

REMARKS:

MAY
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	99.8	99.8	98.4	86.6	64.3	39.0	11.6	75.5	569
	03-05	100.0	100.0	100.0	100.0	97.3	87.3	67.7	43.4	16.1	76.7	560
	06-08	100.0	100.0	100.0	99.5	91.0	74.6	53.1	31.7	13.0	71.7	578
	09-11	100.0	100.0	99.4	94.3	77.6	53.7	30.5	15.3	6.0	63.5	616
	12-14	100.0	100.0	99.2	87.8	65.5	42.6	20.8	7.4	3.0	58.3	605
	15-17	100.0	100.0	98.4	83.3	61.6	38.8	16.6	6.4	3.1	56.6	609
	18-20	100.0	100.0	99.8	91.8	74.5	50.5	25.2	10.7	3.5	61.4	596
	21-23	100.0	100.0	99.5	99.3	92.8	73.3	44.1	21.0	5.8	69.3	572
TOTALS		100.0	100.0	99.5	94.5	82.3	63.4	40.3	21.9	7.8	66.6	4705

RELATIVE HUMIDITY

JUN

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	94.6	87.8	70.0	51.9	29.1	12.1	69.5	553
	03-05	100.0	100.0	100.0	94.5	84.2	74.2	60.4	40.5	17.1	72.8	550
	06-08	100.0	100.0	97.7	87.4	75.3	59.4	43.5	24.8	9.4	65.5	572
	09-11	100.0	100.0	93.2	81.7	64.6	45.8	24.9	10.8	4.0	58.3	602
	12-14	100.0	99.7	91.4	72.6	52.3	28.8	12.7	4.7	1.8	51.9	614
	15-17	100.0	99.5	91.2	72.4	44.4	28.0	13.4	6.8	2.0	51.4	590
	18-20	100.0	99.8	92.9	77.2	51.8	37.4	19.9	8.4	1.8	54.6	562
	21-23	100.0	100.0	97.8	88.8	69.6	52.3	31.8	17.7	5.1	62.2	553
TOTALS		100.0	99.9	95.5	83.7	65.4	49.5	32.3	17.9	6.7	60.8	4594

0-87-5 (OL A)

RELATIVE HUMIDITY

JUL
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	98.1	85.2	74.6	54.9	27.1	9.7	70.5	587
	03-05	100.0	100.0	100.0	98.8	87.4	80.5	64.3	42.3	15.6	74.6	563
	06-08	100.0	100.0	99.5	95.4	82.7	72.5	53.1	26.3	10.0	69.3	612
	09-11	100.0	100.0	97.3	90.5	70.9	45.8	28.1	11.4	4.3	60.0	633
	12-14	100.0	100.0	96.2	80.6	51.4	28.0	16.3	7.8	3.4	53.7	656
	15-17	100.0	100.0	96.6	75.1	49.1	27.9	16.2	7.0	3.4	53.1	642
	18-20	100.0	100.0	96.6	84.5	60.0	36.0	19.8	8.8	3.7	56.1	592
	21-23	100.0	100.0	99.5	93.5	77.9	58.0	33.3	13.1	6.0	63.4	597
TOTALS		100.0	100.0	98.2	89.6	70.6	52.9	35.8	18.0	7.0	62.6	4882

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AUG

AUG

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	99.8	98.7	86.6	77.6	61.0	38.3	13.3	73.3	603
	03-05	100.0	100.0	100.0	99.0	89.7	79.9	67.8	52.3	22.4	76.9	593
	06-08	100.0	100.0	99.5	95.9	86.9	73.8	61.2	41.2	18.5	73.4	611
	09-11	100.0	100.0	98.2	90.5	70.3	54.1	36.1	17.7	7.2	63.1	610
	12-14	100.0	100.0	95.0	78.1	53.9	35.5	20.5	7.0	2.2	54.7	625
	15-17	100.0	100.0	95.6	76.0	53.2	33.0	19.2	7.5	2.9	53.9	616
	18-20	100.0	100.0	97.4	87.7	65.0	45.6	28.1	12.1	5.6	59.5	620
	21-23	100.0	100.0	100.0	96.2	84.6	69.8	43.6	23.1	8.8	68.0	605
TOTALS		100.0	100.0	98.2	90.3	73.8	58.7	42.2	24.9	10.1	65.4	4883

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RELATIVE HUMIDITY

NOV

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	100.0	96.6	90.1	79.5	66.8	49.9	23.5	76.0	497
	03-05	100.0	100.0	100.0	97.8	90.4	79.8	67.1	45.1	24.6	75.9	499
	06-08	100.0	100.0	100.0	98.6	91.2	78.9	66.1	46.4	21.8	75.6	487
	09-11	100.0	100.0	100.0	98.5	91.8	80.3	64.5	46.5	25.0	75.8	527
	12-14	100.0	100.0	100.0	99.2	91.0	78.5	62.3	43.1	22.4	75.0	531
	15-17	100.0	100.0	100.0	99.2	92.4	81.9	66.6	49.9	24.3	76.7	515
	18-20	100.0	100.0	100.0	99.0	89.5	79.9	67.0	46.9	24.9	76.0	503
	21-23	100.0	100.0	100.0	97.1	89.4	78.4	67.2	48.3	22.8	75.8	491
TOTALS		100.0	100.0	100.0	98.3	90.7	79.7	66.0	47.0	23.7	75.9	4050

RELATIVE HUMIDITY

4231C

SONDRESTROM 6L

74-82

DEC

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	100.0	96.6	81.3	72.8	63.1	41.4	17.6	72.5	507
	03-05	100.0	100.0	100.0	96.5	82.4	73.3	59.8	42.7	17.6	72.7	510
	06-08	100.0	100.0	100.0	96.6	84.8	74.2	61.3	41.4	15.8	72.6	507
	09-11	100.0	100.0	100.0	97.6	84.7	76.3	63.4	43.8	17.0	73.4	541
	12-14	100.0	100.0	99.8	98.1	83.3	75.3	60.8	42.0	17.1	72.9	538
	15-17	100.0	100.0	100.0	98.3	83.9	78.1	64.8	47.6	18.3	74.5	540
	18-20	100.0	100.0	100.0	97.5	82.8	75.7	64.1	45.5	20.8	74.0	523
	21-23	100.0	100.0	100.0	97.4	83.3	73.6	62.6	43.3	20.9	73.5	497
TOTALS		100.0	100.0	100.0	97.3	83.3	74.9	62.5	43.5	18.1	73.3	4163

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

102310
STATION

SONDRESTRON GL

STATION NAME

74-83

PERIOD

ALL

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	99.9	98.8	96.3	84.4	73.7	61.6	42.5	17.3	73.0	3897
FEB		100.0	100.0	98.5	96.9	95.9	87.9	74.0	53.0	20.8	78.4	3271
MAR		100.0	100.0	100.0	100.0	97.9	91.1	80.6	55.9	17.9	79.6	3570
APR		100.0	100.0	100.0	99.4	95.2	83.3	63.3	34.4	13.2	74.5	4290
MAY		100.0	100.0	99.5	94.5	82.3	63.4	40.3	21.9	7.8	66.6	4705
JUN		100.0	99.9	95.5	83.7	65.4	49.5	32.3	17.9	6.7	60.8	4596
JUL		100.0	100.0	98.2	89.6	70.6	52.9	35.8	18.0	7.0	62.6	4882
AUG		100.0	100.0	98.2	90.3	73.8	58.7	42.2	24.9	10.1	65.4	4883
SEP		100.0	100.0	98.4	89.8	77.1	64.4	44.6	29.8	16.6	68.0	4507
OCT		100.0	100.0	99.2	95.5	87.0	74.5	61.7	44.0	23.5	74.1	4520
NOV		100.0	100.0	100.0	98.3	90.7	79.7	66.0	47.0	23.7	75.9	4050
DEC		100.0	100.0	100.0	97.3	83.3	74.9	62.5	43.5	18.1	73.3	4163
TOTALS		100.0	100.0	98.9	94.3	83.6	71.2	55.4	36.1	15.2	71.0	51334

USAFETAC

FORM
AIR 64

0-87-3 (OL A)

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PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times OCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

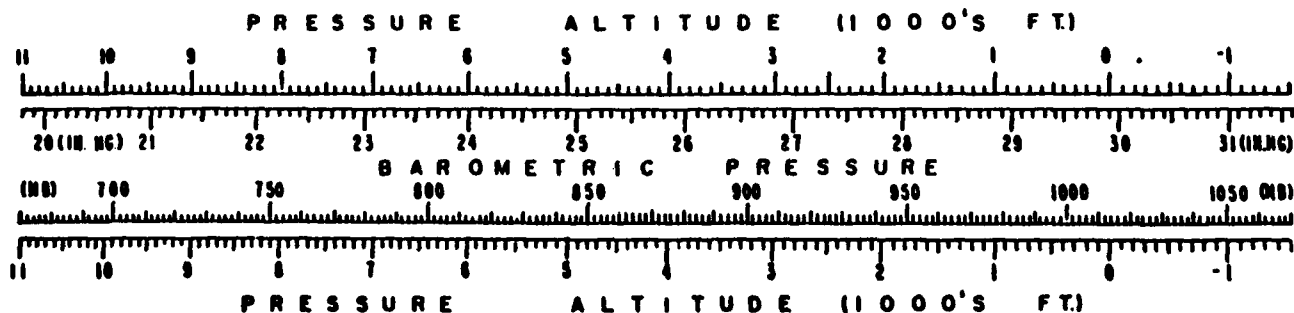
NOTES: Station pressure not reported for all services until late in 1945.

Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars. DATA NOT AVAILABLE

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



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